



ATTORNEY DOCKET NO. 25006.0016U2

# SEQUENCE LISTING

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<120> RIBOSWITCHES, METHODS FOR THEIR USE, AND  
COMPOSITIONS FOR USE WITH RIBOSWITCHES

<130> 25006.0016U2

<140> 10/669,162

<141> 2003-09-22

<150> 60/412,468

<151> 2002-09-20

<160> 410

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 202

<212> RNA

<213> Escherichia coli

<400> 1

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gccgguccug ugaguuuaa gggaauccag ugcgaucug gagcugacgc gcagcgguaa 60
ggaaaggugc gaugauugcg uuaugcggac acugccauuc ggugggaagu caucaucucu 120
uaguaucuaa gauacccuc caagcccgaa gaccugccgg ccaacgucgc aucugguucu 180
caucaucgcg uauauugau ga                                     202
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<210> 2

<211> 165

<212> RNA

<213> Escherichia coli

<220>

<221> misc\_feature

<222> 155

<223> r = a or g

<220>

<221> misc\_feature

<222> 157

<223> y = c or u

<400> 2

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ggaacaaaac gacucggggg gcccucugc gugaaggcug agaaauaccc guaucaccug 60
aucuggauaa ugccagcgua gggaagucac ggaccaccag gucauugcuu cuucacguua 120
uggcaggagc aaacuaugca agucgaccug cuggruycag cgcaa          165
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<210> 3  
 <211> 240  
 <212> RNA  
 <213> Escherichia coli

<220>  
 <221> misc\_feature  
 <222> 155-240  
 <223> n = g, a, c or u

<400> 3  
 ggaaugcccc auuugcgggg cuaauuucuu gucggagugc cuuaacuggc ugagaccguu 60  
 uauucgggau ccgcggaacc ugaucaggcu aaauccugcg aagggaacaa gaguuaaucu 120  
 gcuaucgcau cgccccugcg gcgaucgucu cuugnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

<210> 4  
 <211> 165  
 <212> RNA  
 <213> Escherichia coli

<220>  
 <221> misc\_feature  
 <222> 65, 74, 107, 130  
 <223> s = g or c

<220>  
 <221> misc\_feature  
 <222> 25, 26, 34, 35, 64, 75, 106, 131  
 <223> w = a or u

<400> 4  
 ggaaccaaac gacucggggg gcccwucugc gugwggcug agaaauaccc guaucaccug 60  
 aucwsgauaa ugcswgcgua gggaagucac ggaccaccag gucauwscuu cuucacguua 120  
 uggcaggags waacuaugca agucgaccug cuggauccag cgcaa 165

<210> 5  
 <211> 176  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
 synthetic construct

<220>  
 <221> misc\_feature  
 <222> 39-156  
 <223> n = g, a, c or u

<400> 5  
 ggauaaauagc cguagguugc gaaagcgacc cugaguagnn nnnnncaaga gaagcagagg 60  
 gacuggcccc acgaagcuuc agcaaccggg guaauggcga ucagccauga ccaaggugcu 120  
 aaauccagca agcucgaaca gcuuggaagn nnnnnncgaa acgguagcga gagcuc 176

<210> 6  
<211> 4  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 4  
<223> n = g, a, c or u

<400> 6  
ggun

4

<210> 7  
<211> 6  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 6  
<223> d = g, a or u

<220>  
<221> misc\_feature  
<222> 1-4  
<223> n = g, a, c or u

<400> 7  
nnnngd

6

<210> 8  
<211> 36  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 11, 17, 20, 25, 36  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 6, 35  
<223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 1-3, 15, 31  
 <223> y = c or u  
  
 <400> 8  
 yyyucrgggc ngggygnaan ucccnaccgg yggurn 36  
  
 <210> 9  
 <211> 51  
 <212> RNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:/Note =  
 synthetic construct  
  
 <220>  
 <221> misc\_feature  
 <222> 1, 7-9, 13, 14, 16, 18, 25, 26, 32, 33, 37, 39, 42, 43, 50,  
 51  
 <223> n = g, a, c or u  
  
 <220>  
 <221> misc\_feature  
 <222> 38, 44  
 <223> r = a or g  
  
 <220>  
 <221> misc\_feature  
 <222> 17, 34  
 <223> y = c or u  
  
 <400> 9  
 ncuuaunng agnngnynga gggannggcc cnnyganrnc cnrgcaacn n 51  
  
 <210> 10  
 <211> 69  
 <212> RNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:/Note =  
 synthetic construct  
  
 <220>  
 <221> misc\_feature  
 <222> 1, 2, 10-17, 22, 25-31, 34, 40-46, 54-60, 68, 69  
 <223> n = g, a, c or u  
  
 <220>  
 <221> misc\_feature  
 <222> 5, 18, 67  
 <223> r = a or g

<220>  
<221> misc\_feature  
<222> 65  
<223> y = c or u

<400> 10  
nnucruauan nnnnnnnrau anggnnnnnn ngunucuacn nnnnnnccgu aaannnnnnn 60  
acuaygrnn 69

<210> 11  
<211> 69  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 1, 2, 10-17, 22, 25-31, 34, 40-46, 54-60, 68, 69  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 5, 18, 67  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 65  
<223> y = c or u

<400> 11  
nnucruauan nnnnnnnrau anggnnnnnn ngunucuacn nnnnnnccgu aaannnnnnn 60  
auuaygrnn 69

<210> 12  
<211> 33  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 13-18, 20, 21, 26-33  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 2, 12  
<223> r = a or g

<220>

<221> misc\_feature

<222> 3

<223> w = a or u

<220>

<221> misc\_feature

<222> 8

<223> h = a or c or u

<400> 12

rwagagghgc rnnnnnnnann aguannnnnn nnn

33

<210> 13

<211> 165

<212> RNA

<213> Bacillus subtilis

<400> 13

ggaaggacaa augaauaaag auuguaucuu ucgggggcagg guggaaaucc cgaccggcg 60  
uaguaaagca cauuugcuuu agagcccgug acccgugugc auaagcacgc gguggauuca 120  
guuaaagcug aagccgacag ugaaagucug gaugggagaa ggaug 165

<210> 14

<211> 128

<212> RNA

<213> Arabidopsis thaliana

<400> 14

ggugaauuga caugcaaaag caccaggggu gcuugaacca ggauagccug cgaaaaggcg 60  
ggcuauccgg gaccaggcug agaaaguccc uuugaaccug aacaggguua ugccugcgca 120  
gggagugu 128

<210> 15

<211> 135

<212> RNA

<213> Oryza sativa

<220>

<221> misc\_feature

<222> 33-83

<223> n = g, a, c or u

<400> 15

ggugaauuga caugcaaaag caccaggggu gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnngcugaga aagucccuuu gaaccugaac aggauaaugc 120  
cugcgaaggg agugu 135

<210> 16

<211> 135

<212> RNA

<213> Poa secunda

<220>

<221> misc\_feature

<222> 33-83

<223> n = g, a, c or u

<400> 16

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ggugaaauuga caugcaaaaag caccaggggu gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnngcugaga aagucccuu gaaccugaac aggauaaugc 120
cugcguaggg agugu 135
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<210> 17

<211> 176

<212> RNA

<213> Neurospora crassa

<220>

<221> misc\_feature

<222> 15-123

<223> n = g, a, c or u

<400> 17

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gcuaccgggu guccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnggucuga gaaauaccgg cgaacuugau cuggauaaua ccagcgaaag gauggc 176
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<210> 18

<211> 22

<212> RNA

<213> Arabidopsis thaliana

<220>

<221> misc\_feature

<222> 9

<223> d = g, a or u

<220>

<221> misc\_feature

<222> 1-7, 10-16

<223> n = g, a, c or u

<400> 18

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nnnnnnngdn nnnnnncuga ga 22
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<210> 19

<211> 103

<212> RNA

<213> Escherichia coli

<220>

<221> misc\_feature

<222> 12-51

<223> n = g, a, c or u

<400> 19

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accaaacgac uncggggugn nnnnnnnnnn nnnnncugag annnnnnnnn naauaccgu 60
aucaccugau cuggauaaug ccagcguagg gaagucacgg acc 103
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<210> 20  
 <211> 97  
 <212> RNA  
 <213> Escherichia coli

<220>  
 <221> misc\_feature  
 <222> 12-29  
 <223> n = g, a, c or u

<400> 20  
 uaaauuucuug uncggagugn nnnnnnnnnnc ugagaccguu uauucgggau ccgcggaacc 60  
 ugaucaggcu aa uaccugcg aagggaacaa gaguuaa 97

<210> 21  
 <211> 147  
 <212> RNA  
 <213> Clostridium acetobutylicum

<220>  
 <221> misc\_feature  
 <222> 12-94  
 <223> n = g, a, c or u

<400> 21  
 auauuuuagc unaggggugn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
 nnnnnnnnnnn nnnnnnnnnnc ugagaggang aaanuccaac ccuuugaacu ugauguagu 120  
 aa uacuaccg uagggaagca gugcauu 147

<210> 22  
 <211> 202  
 <212> RNA  
 <213> Neurospora crassa

<220>  
 <221> misc\_feature  
 <222> 19-159  
 <223> n = g, a, c or u

<400> 22  
 caagacagcu accgggugnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 120  
 nnnnnnnnnnn nnnncugaga nnnnnnnnnnn aa uaccggnc gaacuugauc uggauaaauac 180  
 cagcgaaagg auuggcuuu ug 202

<210> 23  
 <211> 190  
 <212> RNA  
 <213> Aspergillus oryzaa

<220>  
 <221> misc\_feature  
 <222> 12-137  
 <223> n = g, a, c or u



<400> 23  
 cuuuggcgug gngccggugn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 120  
 nncugagann nnnnnnnnuua uacggcuaaa acuugaucug gauaauacca gcgaaagggu 180  
 caugccuucu 190

<210> 24  
 <211> 150  
 <212> RNA  
 <213> *Fusarium oxyaporum*

<220>  
 <221> misc\_feature  
 <222> 12-117  
 <223> n = g, a, c or u

<400> 24  
 aucaugcaug angccggugn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
 nnnnnnnnnnn nnnnnnnnnnn nncugagann nnnnnnnnuua uacggcnaaa acuugaucug 120  
 gauaauacca gcgaaaggau caugcaucu 150

<210> 25  
 <211> 156  
 <212> RNA  
 <213> *Fusarium solani*

<220>  
 <221> misc\_feature  
 <222> 12-113  
 <223> n = g, a, c or u

<400> 25  
 aucaugcaug angccggugn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnncu gagannnnnnn nnnuuauacg gcngaaacuu 120  
 gaucuggaua auaccagcga aaggaucaug cucucc 156

<210> 26  
 <211> 133  
 <212> RNA  
 <213> *Arabidopsis thaliana*

<220>  
 <221> misc\_feature  
 <222> 12-81  
 <223> n = g, a, c or u

<400> 26  
 gcaaaagcac cnaggggugn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60  
 nnnnnncugag annnnnnnnnnn naagucccuu ugaaccugaa caggguaaug ccugcgagg 120  
 gaguggcag uuu 133

<210> 27  
 <211> 140  
 <212> RNA  
 <213> *Poa secunda*

<220>

<221> misc\_feature

<222> 12-88

<223> n = g, a, c or u

<400> 27

aaaguugcac cnaggggugnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn 60  
nnnnnnnnnnn nncugagann nnnnnnnnnnaa gucccuuuga accugaacag gauaaugccu 120  
gcuagggag ugugcauuuc 140

<210> 28

<211> 140

<212> RNA

<213> Oryza sativa

<220>

<221> misc\_feature

<222> 12-88

<223> n = g, a, c or u

<400> 28

aaaguugcac cnaggggugnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn 60  
nnnnnnnnnnn nncugagann nnnnnnnnnnaa gucccuuuga accugaacag gauaaugccu 120  
gcuagggag ugugcauuuc 140

<210> 29

<211> 214

<212> RNA

<213> Bacillus anthracis

<220>

<221> misc\_feature

<222> 26-190

<223> n = g, a, c or u

<400> 29

cggugaggua gagguugcag ucauunaagn aguannucau uucugnnngn agnnauagug 60  
nnnnnaugau ganaggaug annгааaggа augaunnugc cgaaguaagu uguguccacc 120  
aunnngcaca cuugcugggu cugcauuuaa uaannngugca gaanncuguc acaaacguuu 180  
nnnnnnnnnnn cguuugugga gagcuauuca gagg 214

<210> 30

<211> 214

<212> RNA

<213> Bacillus anthracis

<220>

<221> misc\_feature

<222> 25-191

<223> n = g, a, c or u

<400> 30

cucaaaggua gaggccgcga uaggnnaaag aguannagcu auggnnnngn agnnuuaaug 60  
nnnnnaannnn nnnnnnnnggu unngaaaagg acuaunnugc cgaaauauaa gaauaaccuau 120  
nncuaauuca uauauuggga cugcauunnn gaauaaaugu aguancuguc auaagauuuu 180  
nnnnnnnnnnn nuuuuaugga gagcuauuug gaga 214

<210> 31  
 <211> 214  
 <212> RNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 26-165  
 <223> n = g, a, c or u

<400> 31  
 cgaugaggua gagguugcga cuuuunaagn aguannaaac ggacnnnnngn agauacgaga 60  
 annnngucua aganuccguu unngaagga aaagunnugc cgaaguuuau auuucuucuc 120  
 unnggaaaaua ugagcugggg cugugucnnu gaaanggaac agaancuguc acguuuacaa 180  
 aauuaccgug uaaacguggg gugcuaucuu aacg 214

<210> 32  
 <211> 214  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 16-189  
 <223> n = g, a, c or u

<400> 32  
 agugaggaua gaggungcaa aaaccnaagn aguanncaca auunnnnggn agnngagaau 60  
 gaganuccgu ugagaauugu gnngaaggg gaannuuugc cgaagcugga agaaucucau 120  
 nnnnguucug aaggcugguu cuguauunnn aaauaaaauac agaancuguc auauagcgga 180  
 ugunnnnnnu gcuaauaugga gggcuaucuc acgc 214

<210> 33  
 <211> 214  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 16-187  
 <223> n = g, a, c or u

<400> 33  
 agugauggua gaggungcga aaaccnaagn aguacnacag ucnnnugagn agnaaaugag 60  
 aaucguugac nnnnngacug uuggaaaggg ggannuucgc cgaagugcag aucggggcuc 120  
 aunucccauu ugcgcuggac cuauguunnn gaauaagcau agggncuguc acaacacuag 180  
 ccccaancua gugcugugga gaacuaucuc acgu 214

<210> 34  
 <211> 214  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 16-191  
 <223> n = g, a, c or u

<400> 34  
 agauggggua gaggangcgg guuuunaagn aguaangcgc uugnnnnngn aggaugacaa 60  
 nnnnncgagg annnuaagcg cncgaaagga aaanncucgc cgaagcggaa gaugagucuaa 120  
 gnnncgucuu cuugcugggg uugcauunnn gaauaaaugu aacancuguc acagcagaun 180  
 nnnnnnnnnn nugcugugga gaacuacuaa cguu 214

<210> 35  
 <211> 214  
 <212> RNA  
 <213> *Bacillus subtilis*

<220>  
 <221> misc\_feature  
 <222> 16-191  
 <223> n = g, a, c or u

<400> 35  
 ggugaagaua gaggungcga acuucnaagn aguaungccu uunnnnnngn agnaaagaug 60  
 gannnuucug ugaanaaagg cnugaaaggg gagcgnucgc cgaagcaaaau aaaacccccau 120  
 cnnngauuua uuugcugggc gugcauunnn gaauaaaugu aaggncuguc aagaaaucan 180  
 nnnnnnnnnn nuuucugga gggcuauuc guug 214

<210> 36  
 <211> 214  
 <212> RNA  
 <213> *Clostridium acetobutylicum*

<220>  
 <221> misc\_feature  
 <222> 16-165  
 <223> n = g, a, c or u

<400> 36  
 accuuuugua gaggungcuu uaagucaagn aguaanccgu uugnnnnngn agnnuuggca 60  
 nnnnnaacuu aganugaacg gnuaaaaggg gcuuuunagc cgaagcauuu agauugggan 120  
 nnnngauuua uuugcugggc uuucanann caacauauga auggncuguc acuuuauuag 180  
 uuaguuauua gguaagugga gcgcuaacaag guac 214

<210> 37  
 <211> 215  
 <212> RNA  
 <213> *Clostridium perfringens*

<220>  
 <221> misc\_feature  
 <222> 16-193  
 <223> n = g, a, c or u

<400> 37  
 gaccaaagua gaggungccg uaaunaagn aguannguca uannnnnagu agnncugaca 60  
 nnnnnnagann nnnnnnuaug aunngaaagg gauunnaugg ccgaagagau auuaauggug 120  
 nnnnnauuaa uauuucuggg uauauguaun nnaaunaugc auuaaacugu cacuuugaaa 180  
 nnnnnnnnnn nnnaaagugg agugcuacaa gguac 215

<210> 38  
 <211> 214  
 <212> RNA  
 <213> Clostridium perfringens

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 38  
 aacugagaua gaggcngcga ugauunaauu aguannucuu ugcnnnnnagn agnnguaagc 60  
 annnnauuga annnngcaaa gnugaaagga ugannaucgc cgaaaccauu agaagaggcu 120  
 uuaauucua uagguugggg uugcauannn gaauauaugu aacancuguc acaaaauaun 180  
 nnnnnnnnnn nnuuuguggu ggcuaucac gaaa 214

<210> 39  
 <211> 214  
 <212> RNA  
 <213> Clostridium perfringens

<220>  
 <221> misc\_feature  
 <222> 16-194  
 <223> n = g, a, c or u

<400> 39  
 aaaagaggua gaggcngcga gaaucnaagn auuanncuua aaunnnnggn agnnuuaagu 60  
 nnnnnnagcgu agaaguuuuu gnngaaaggg auuaunncgc cgaaguuuuu ggcuaauacu 120  
 uuaanggcua aaugcugggg uuguauannn gaauauauac aacancuguc acaaaannnn 180  
 nnnnnnnnnn nnnnugugga ggcuaucac cuua 214

<210> 40  
 <211> 225  
 <212> RNA  
 <213> Escherichia coli

<220>  
 <221> misc\_feature  
 <222> 16-204  
 <223> n = g, a, c or u

<400> 40  
 caggccagaa gaggcngcgu ugcccnannn aguaacggug ugnnnnnngn agnnagagcca 60  
 gnnnnuuccug uganuaacac cnnnnnuggg ggugcaucgc cgaggugauu gaacggcugg 120  
 ccanncgauu aucaucggcu acaggggncu gaauncccu gggnnuuguc accannnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnuguggg agcacuucug gguga 225

<210> 41  
 <211> 214  
 <212> RNA  
 <213> Haemophilus influenzae

<220>  
 <221> misc\_feature  
 <222> 16-191  
 <223> n = g, a, c or u

<400> 41  
uacaaaagua gaggcngcaa uuauunauan aguannuuuu uucnnnnnagn agnnuggaua 60  
annnnncgaag aanngaaaaa annngaaagga auagunnugc cgaaaucaaa uaaaagucgn 120  
nnnnuuuuugu uugguuggug gcgugcucnn gaaanggggc gacancuguc auaguuuuuc 180  
ugauunnnnn naacuaugga gugcuacggu uguu 214

<210> 42  
<211> 215  
<212> RNA  
<213> Oceanobacillus iheyensis

<220>  
<221> misc\_feature  
<222> 16-192  
<223> n = g, a, c or u

<400> 42  
guuuuggaua gaggunccgg agaccnaucn aguannuaua cgcnnnnngga agnnnggaaau 60  
gagnnccnnn nnnnnngcgu ugnngaaagg ggaannucug ccgaagcgag ugaaauacuc 120  
auucuuuann acucguuggu gcugcuauun ngaacaaaau acaguccugu cauauaggag 180  
annnnnnnnn nncuauaugg agggcuauugc agcug 215

<210> 43  
<211> 214  
<212> RNA  
<213> Oceanobacillus iheyensis

<220>  
<221> misc\_feature  
<222> 16-192  
<223> n = g, a, c or u

<400> 43  
ucggugggua gaggangcau acaacnauun aguannaucg acnnnnnaagn aggaugacaa 60  
nnnnncgaug auannguugg unnggaaggg uuguunnugc cgaagcauaa uaagggucag 120  
annncuuauu auugcuggua caucuunnnn gaauaaaaga ugcancuguc augcaaaaau 180  
aagnnnnnnn nnugcaugga gaacuaucga ucga 214

<210> 44  
<211> 214  
<212> RNA  
<213> Pasteurella multocida

<220>  
<221> misc\_feature  
<222> 16-192  
<223> n = g, a, c or u

<400> 44  
uacuugugua gaggangcga ucacunaauan aguannuuuu uucunnnnngn agnnuggaua 60  
annnnncgaag annngaaaaa gnngaaagga gugacnnncg cgaaaucaau ugaaagucan 120  
nnnnuuuuuga uugguuggug gcguaucnnn gaaanggaac gucanuuguc auagucuuuu 180  
uuaannnnnn nnacuaugga gcgcuacugg uugg 214

<210> 45  
 <211> 214  
 <212> RNA  
 <213> Staphylococcus aureus

<220>  
 <221> misc\_feature  
 <222> 16-191  
 <223> n = g, a, c or u

<400> 45  
 auauuuugau gaggcngcau caaucnaugn aguannaagu uuannnnnngn aunnuacugu 60  
 cugcnuuaca gcnnugaaau unngaaggagg ugcnnngauc cgaagcgauu auauuagcan 120  
 nnnnguuaaua uuuguuggac uuuuuggunn uaagagcuga gagunuuguc auuauuuaua 180  
 nnnnnnnnnn naauaaugga gugcaucacu ugua 214

<210> 46  
 <211> 216  
 <212> RNA  
 <213> Staphylococcus aureus

<220>  
 <221> misc\_feature  
 <222> 26-196  
 <223> n = g, a, c or u

<400> 46  
 aaauagaua gagguugcau guuuanaun aguannacuu gunnnncaga agnnuauuuu 60  
 uggnnuannn nnnnnnnnaca agunngaag guaaagnnau gccgaaauag auauaaaacca 120  
 uaaannnuua uaucuauugg gacaguuuun ncgaauagga acuguancug ucacagaann 180  
 nnnnnnnnnn nnnnnnugug augugcuacc uuauau 216

<210> 47  
 <211> 214  
 <212> RNA  
 <213> Staphylococcus epidermidis

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 47  
 agauuuugau gaggcngcau caaucnaugn aguannaacu uuannnnnngn aunnuauuug 60  
 ucugcuaaca auuauagagu unnaaaaggagg uganngaugc cgaaaugauu cauaauagca 120  
 nnnnguuauga aucguuggac uuaauggunn uaagagcuau aagunuuguc auuauuaua 180  
 annnnnnnnn nnauaaugga gugcaucacu ugua 214

<210> 48  
 <211> 216  
 <212> RNA  
 <213> Staphylococcus epidermidis

<220>  
 <221> misc\_feature  
 <222> 26-196  
 <223> n = g, a, c or u

<400> 48  
 aaauagaguua gagguugcau uauuanaugn acuannacuu aunnnncaga agnnucguau 60  
 ggnnngannnn nnnnnnnnaua agunngaaaag guaaauaunn gccgaaauga uguuauuuucc 120  
 aunnaaaauua gcauuguuug gacaacuuun ncgaauagaa guuguancug ucacuuuann 180  
 nnnnnnnnnnn nnnnnnnugug augugcuacc uuauau 216

<210> 49  
 <211> 225  
 <212> RNA  
 <213> *Shigella flexneri*

<220>  
 <221> misc\_feature  
 <222> 16-204  
 <223> n = g, a, c or u

<400> 49  
 caggccagaa gaggcngcgu ugcccnannnn aguaacggug uugnnnnnngn agnngagcca 60  
 gnnnnuccug uganuaacac cnnnugaggg ggugcaucgc cgaggugauu gaacggcugg 120  
 ccanncgauuc aucaucggcu acaggggncu gaauncuccu gggnnuuguc accannnnnnn 180  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnuggugg agcacuucug gguga 225

<210> 50  
 <211> 214  
 <212> RNA  
 <213> *Shewanella oneidensis*

<220>  
 <221> misc\_feature  
 <222> 16-194  
 <223> n = g, a, c or u

<400> 50  
 aggaacagaa gaggangcgu uaacunanannn gguannguca aucangaggn agcacaaaacu 60  
 ccagcgannnn nnnugauuga unnnagaggga ganuuagcgc cgaggcauag augugguugc 120  
 ugnncauguu uaugucgguc gcuuaggncu gaaunccuaa cgannuuguc accuguaauu 180  
 nnnnnnnnnnn nnnnnggugga gagcuucugg ugac 214

<210> 51  
 <211> 214  
 <212> RNA  
 <213> *Shewanella oneidensis*

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 51  
 ccuuuaagua gaggcngcgc ugccunaugn acuanncuug ugcgnnnnngn agnnggugau 60  
 gnnnnccgca ganuguacaa gnngaaagga gunncagcgc cgaaguagcc aggucaucaa 120



nnnnnnnaccg agcgugguu uugcauncaa auagngugca aganncugcc auagucaucc 180  
nnnnnnnnnn nnacuaugga gcgcuaccug aagg 214

<210> 52  
<211> 218  
<212> RNA  
<213> *Thermatoga maritima*

<220>  
<221> misc\_feature  
<222> 16-194  
<223> n = g, a, c or u

<400> 52  
ugacccgacg gaggcngcgc ccgagnaun aguannggcu gucccnnnnn nngnaggaau 60  
cgnnnnnnnn nnnnnnggga cggcunngaa aggcgaggg nccggaagg gugcagagu 120  
ccucccngcu cugcaugccu ggggguauug gnnngaauac ccuaccanc ugucacggag 180  
gucnnnnnnnn nnnnucuccg uggagagccg aucggguc 218

<210> 53  
<211> 215  
<212> RNA  
<213> *Thermoanaerobacter tengcongensis*

<220>  
<221> misc\_feature  
<222> 16-188  
<223> n = g, a, c or u

<400> 53  
aggugaggua gaggcngcgg gucaucaagn aguannacau gccnnnnnagn agnnguguua 60  
nnnnnagnnn nnnnnnnnggu gugunngaaa ggggugnncc cgccgaagg cguaaacuuc 120  
cuuanagggu uacgcagcug ggcuaugccn nngaacagu auaggancug ucacucaagg 180  
cuccccangg ccuucagugg agagcuauuc cgcua 215

<210> 54  
<211> 218  
<212> RNA  
<213> *Thermoanaerobacter tengcongensis*

<220>  
<221> misc\_feature  
<222> 16-195  
<223> n = g, a, c or u

<400> 54  
cgcauaaaaua gaggangcug ccaagcaunn nguauuuggc gagnnnnnnnn nnngaagaac 60  
cuccaaauann nnnnnnnnnnc ucgcugnaag aagguuuggc nnugccgaaa gggugagcuu 120  
guucunnnug agcucauccu uggugguaaa cnnnacaaan guuuaccanc ugucauggga 180  
ccnnnnnnnn nnnnnnucucca ugaagcgcu uuuauugca 218

<210> 55  
<211> 214  
<212> RNA  
<213> *Vibrio cholerae*

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 55  
 ucuagcagaa gaggangcac ugcccnaggc agnauguuuu gugnnnnnngn agccucaacu 60  
 ccaannnnnnn nnnnuacaga acauucaggg ggaguagugc cgaggugaa uaaaguugun 120  
 nnggcuuuug uuuauucgguu gaacgggncu gaauncccuu caannucuguc aucagcucga 180  
 aunnnnnnnnn nncugaugaa gagcuucuga ggga 214

<210> 56  
 <211> 214  
 <212> RNA  
 <213> *Vibrio cholerae*

<220>  
 <221> misc\_feature  
 <222> 16-192  
 <223> n = g, a, c or u

<400> 56  
 uuucgccgua gaggangcgg uuacgnaaan aguannucca caguunnnngn ggngugaugc 60  
 nnnnncaaug nnaauugugg annaaaaggc guunngccgc cgaagucaac uugcccaunn 120  
 nncaacgcag uuggcugggg uuacauunnn caauaggugu aacancugcc auagucuaau 180  
 uuguuguuaa nnacuaugga gcgcuaucgu aggg 214

<210> 57  
 <211> 214  
 <212> RNA  
 <213> *Vibrio cholerae*

<220>  
 <221> misc\_feature  
 <222> 16-193  
 <223> n = g, a, c or u

<400> 57  
 ccuuuaagua gaggcngcgc uguucnaugn agucgnccag ucnnnnnnnngu agnguugacc 60  
 ccnnngaugn nnnaugacug gnuuaaaggg unnacagcgc cgaagugauc guugcgucuu 120  
 nnnnncaacg uucgcugggc cagcauunnn gaacaaaugc cggancugcc auaguguguu 180  
 gunnnnnnnnn nnncuauugga gcgcuaaccuu gaag 214

<210> 58  
 <211> 214  
 <212> RNA  
 <213> *Vibrio vulnificus*

<220>  
 <221> misc\_feature  
 <222> 16-190  
 <223> n = g, a, c or u

<400> 58  
 uuuugcagaa gaggangcac ugcccnaggc agnauguuuu gugnnnnnngn agccgcaacu 60  
 ccaannnnnnn nnnncacaga acauucaggg ggaguagugc cgagguagau caaaaauugca 120

nnngauuuga ucugucgguu gacuuggguu gaguncccau caanncuguc aucagcucan 180  
nnnnnnnnnn gccugaugaa gagcuucuga gaug 214

<210> 59  
<211> 214  
<212> RNA  
<213> *Vibrio vulnificus*

<220>  
<221> misc\_feature  
<222> 16-192  
<223> n = g, a, c or u

<400> 59  
uaucgacgua gaggcngcaa ugguaanaagn aguannacua uuauunnngn ggnngugaun 60  
nnnnngccaa ugaauaaauag unngaaaggu aunccauugc cgaagugaa ugcuaaucaa 120  
annnnngcag uuugcuggggg uugcauccnn gaaanggaac aacancugcc auaguauuua 180  
auguaauannn nnacuaugga gcgcuaucugu aggu 214

<210> 60  
<211> 23  
<212> RNA  
<213> *Bacillus subtilis*

<220>  
<221> misc\_feature  
<222> 12-131  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 2, 11, 52, 53, 70, 92, 132  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 3, 135  
<223> w = a or u

<220>  
<221> misc\_feature  
<222> 64, 72, 93, 119, 136  
<223> y = c or u

<400> 60  
rwagagggc rnnnnnnnann agua 23

<210> 61  
<211> 237  
<212> RNA  
<213> *Bacillus subtilis*

<400> 61  
aauuucauag uuagaucgug uuauauggug aagauagagg ugcgaacuuc aagaguaugc 60  
cuuuggagaa agauggauuc ugugaaaaag gcugaaaagg gagcgucgcc gaagcaaua 120  
aaaccccauc gguauuuuuu gcuggcccgug cauugaauaa auguaaggcu gucaagaaau 180  
cauuuucuuug gagggcuauc ucguuguuca uaaucuuua ugaugauuaa uugauaa 237

<210> 62  
<211> 239  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 11  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 78, 117, 177, 210, 232  
<223> s = g or c

<220>  
<221> misc\_feature  
<222> 10  
<223> v = g, c or a

<220>  
<221> misc\_feature  
<222> 123, 176, 211, 231  
<223> w = a or u

<220>  
<221> misc\_feature  
<222> 167  
<223> y = c or u

<400> 62  
gaagauagav rugcgaacuu caagaguaug ccuuuggaga aagauggauu cugugaaaaa 60  
ggcugaaaagg ggagcgusgc cgaagcaauu aaaaccccau cgguaauuuu ugcuggscgu 120  
gcwuugaaua aauguaaggc ugucaagaaa ucauuuuucu ggaggggyau cucguwsuuc 180  
auaaucuuuu augaugauua auugauaags waugagagua uuccucucuu wscuuuuuu 239

<210> 63  
<211> 82  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 63  
caucccuuuc guauauacuu ggagauaagg nuccaggagu uucuaccaga ucaccguaaa 60  
ugaucugnac uaugaaggug ga 82

<210> 64  
<211> 82  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 64  
acaucuuuuc guauaauggc aggaauaggg nccugcgagu uucuaccaag cuaccguaaa 60  
uagcuugnac uacgaaaaaua au 82

<210> 65  
<211> 82  
<212> RNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 65  
aaaguaccuc auauaaucuu gggaauaggg ncccaaaagu uucuaccugc ugaccguaaa 60  
ucggcggnac uauggggaaa ga 82

<210> 66  
<211> 82  
<212> RNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 16-67  
<223> n = g, a, c or u

<400> 66  
aacacucuuc guauanuccu cucaauaggg ngaugaggggu cucuacaggu annccguaaa 60  
uaccunnagc uacgaaaaaga au 82

<210> 67  
<211> 82  
<212> RNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 67  
aaaagcacuc guauaaucgc gggaauaggg ncccgcaagu uucuaccagg cugccguaaa 60  
cagccugnac uacgagugau ac 82

<210> 68  
<211> 82  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 68  
agaugaaauuc guauaaucgc gggaauaugg ncucgcaagu cucuaccaag cuaccguaaa 60  
uggcuugnac uacguaaaca uu 82

<210> 69  
<211> 82  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 69  
acacgaccuc auauaaucuu gggaauaugg ncccauaagu uucuaccggg caaccguaaa 60  
uugccgggnac uaugcaggaa ag 82

<210> 70  
<211> 82  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 70  
aggaacacuc auauaaucgc guggauaugg ncacgcaagu uucuaccggg canccguaaa 60  
nuguccgnac uaugggugag ca 82

<210> 71  
<211> 82  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 71  
agacauucuu guauaugauc aguaauaugg nucugauugu uucuaccuag uaaccguaaa 60  
aaacuagnac uacaagaaag uu 82

<210> 72  
<211> 82  
<212> RNA  
<213> Bacillus subtilis

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<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 72
auuaucacuu guauaaccuc aaauaauagg nuuugagggu gucuaccagg aanccguaaa 60
auccugnau uacaaaauuu gu 82

<210> 73
<211> 82
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> 16-68
<223> n = g, a, c or u

<400> 73
uaaaauucuc guauancacc gguaauaagg nuccggaagu uucuaccugc ugnccauaaa 60
nuagcagnac uacggggugu ua 82

<210> 74
<211> 82
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 74
cauauuaccc guauaugcuu agaaauaagg nucuaagcgu cucuaccgga cugccguaaa 60
uugucugnac uauggguguu ua 82

<210> 75
<211> 82
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> 16-68
<223> n = g, a, c or u

<400> 75
aguuaaacuc auauanuuc cugaauaagg nncaggaugu uucuacaagg aanccuuaaa 60
nuuucuunac uaugagugau uu 82

<210> 76
<211> 82
<212> RNA
<213> Clostridium perfringens

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<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 76  
uaaguauauc guauaugcuc gacgauaugg nguugagugu uucuacuagg aggccguaaa 60  
cauccuanac uacgaauaua ua 82

<210> 77  
<211> 82  
<212> RNA  
<213> Clostridium perfringens

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a c or u

<400> 77  
auuuuaacuc guauauaauc gguaauaugg nuccgaaagu uucuaccugc uaaccguaaa 60  
auagcagnac uacgaggagu ug 82

<210> 78  
<211> 82  
<212> RNA  
<213> Clostridium perfringens

<220>  
<221> misc\_feature  
<222> 16-68  
<223> n = g, a, c or u

<400> 78  
aaacaaacuc guauanagcu uugaauaagg nncaaggcgu uucuaccgga aanccuuaaa 60  
nuuuccgnuc uaugagugaa uu 82

<210> 79  
<211> 82  
<212> RNA  
<213> Clostridium perfringens

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 79  
auuuugcuuc guauaacucu aaugauaugg nauuagaggu cucuaccaag aanccgagaa 60  
nuucuugnau uacgaagaaa gc 82

<210> 80  
<211> 82  
<212> RNA  
<213> Fusobacterium nucleatum



<220>  
<221> misc\_feature  
<222> 16-61  
<223> n = g, a, c or u

<400> 80  
auaaaaauuc guauanagcc uauauauagg nnaagggugu cccuacgguu aanccauaaa 60  
nuuaaccagc uacgaaaaau gu 82

<210> 81  
<211> 82  
<212> RNA  
<213> Lactococcus lactis

<220>  
<221> misc\_feature  
<222> 16-68  
<223> n = g, a, c or u

<400> 81  
acaaucuuau uuauannncc uaggauaugg nncugggugu uucuaccucg uanccguaaa 60  
nugcgagnac aaauaggaaa uu 82

<210> 82  
<211> 82  
<212> RNA  
<213> Listeria monocytogenes

<220>  
<221> misc\_feature  
<222> 31-68  
<223> n = g, a, c or u

<400> 82  
uaauauaguc guauaaguuc gguaauaugg naccguucgu uucuaccagg caaccguaaa 60  
augccagngc uacgagcuau ug 82

<210> 83  
<211> 82  
<212> RNA  
<213> Listeria monocytogenes

<220>  
<221> misc\_feature  
<222> 27-68  
<223> n = g, a, c or u

<400> 83  
cgaaauacuu guauaaugu ugcgaunugg ngcgacgagu uucuaccugg uuaccguaaa 60  
uaaccggnac uaugaguagu uu 82

<210> 84  
<211> 82  
<212> RNA  
<213> Oceanobacillus iheyensis

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<220>
<221> misc_feature
<222> 31-68
<223> n = g, a c or u

<400> 84
aaugccuuc guauauccuc gauaauaugg nuucgaaagu aucuaccggg ucaccguaaa 60
ugaucugnac uaugaaggca ga 82

<210> 85
<211> 82
<212> RNA
<213> Oceanobacillus iheyensis

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 85
auagaaaugc guauaaauuaa ggggauaugg nccccacagu uucuaccaga ccaccguaaa 60
ugguuugnac uacgcaguaa uu 82

<210> 86
<211> 82
<212> RNA
<213> Oceanobacillus iheyensis

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 86
aaugaaccuc auauaaaauuu gagaauaugg ncucagaagu uucuacccag canccguaaa 60
uggcuggnac uaugaggga ga 82

<210> 87
<211> 82
<212> RNA
<213> Oceanobacillus iheyensis

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 87
uaguuuuuuc auauaaucgc ggggauaugg nccugcaagu uucuaccggu uuaccguaaa 60
ugaaccgnac uauggaaaag cg 82

<210> 88
<211> 82
<212> RNA
<213> Staphylococcus aureus

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<220>  
<221> misc\_feature  
<222> 68  
<223> n = g, a, c or u

<400> 88  
acaauaacuc auauaaucua aagaauaugg cuuuagaagu uucuaccaug uugccuugaa 60  
cgacaugnac uaugaguaac aa 82

<210> 89  
<211> 82  
<212> RNA  
<213> Staphylococcus epidermidis

<220>  
<221> misc\_feature  
<222> 68  
<223> n = g, a, c or u

<400> 89  
uauaugacuc auauaaucua gagaauaugg cuuuagaagu uucuaccgug ugcgauaaa 60  
cgacacgnac uaugaguaac aa 82

<210> 90  
<211> 82  
<212> RNA  
<213> Streptococcus agalactiae

<220>  
<221> misc\_feature  
<222> 16-67  
<223> n = g, a, c or u

<400> 90  
ugauuuacuu auuuanugcu gaggaunugg nncuuagcgu cucuacaaga canccgunaa 60  
nugucunaac aaauaaguaag cu 82

<210> 91  
<211> 82  
<212> RNA  
<213> Streptococcus pyogenes

<220>  
<221> misc\_feature  
<222> 16-67  
<223> n = g, a, c or u

<400> 91  
ugacauacuu auuuanugcu gugaaunugg nncgcagcgu cucuacaaga canccnuuaa 60  
nugucunaac aaauaaguaag cu 82

<210> 92  
<211> 82  
<212> RNA  
<213> Streptococcus pneumoniae

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<220>
<221> misc_feature
<222> 16-67
<223> n = g, a, c or u

<400> 92
cguuuuacuu guuuanuguc gugaauugg nncacgacgu uucuacaagg ugnccnggaa 60
ncaccunaac aaauaaguaag uc 82

<210> 93
<211> 82
<212> RNA
<213> Thermoanaerobacter tengcogensis

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 93
agaagcacuc auauaaucucc gagaauaugg ncucgggagu cucuaccgaa caaccguaaa 60
uuguucgnac uaugagugaa ag 82

<210> 94
<211> 82
<212> RNA
<213> Vibrio vulnificus

<220>
<221> misc_feature
<222> 31-68
<223> n = g, a, c or u

<400> 94
ucaacgcuuc auauaauccu aaugauaugg nuuugggagu uucuaccaag agnccuuaaa 60
ncucuugnau uaugaagucu gu 82

<210> 95
<211> 69
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 1-69
<223> n = g, a, c or u

<220>
<221> misc_feature
<222> 5, 18, 67
<223> r = a or g

<220>
<221> misc_feature
<222> 65
<223> y = c or u

```

<400> 95  
nnucruauan nnnnnnnrau auggnnnnnn ngunucuacc nnnnnnccgu aaannnnnnng 60  
acuaygrnn 69

<210> 96  
<211> 201  
<212> RNA  
<213> Bacillus subtilis

<400> 96  
gggaauauaa uaggaacacu cauauaaucg cguggauaug gcacgcaagu uucuaccggg 60  
caccguaaaau guccgacuau gggugagcaa uggaaccgca cguguacggg uuuuugugau 120  
aucagcauug cuugcucuuu auuugagcgg gcaaugcuuu uuuuauucuc auaacggagg 180  
uagacaggau ggauccacug a 201

<210> 97  
<211> 93  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 20  
<223> k = g or u

<220>  
<221> misc\_feature  
<222> 19, 32, 44, 58, 59, 73, 74, 82, 83  
<223> s = g or c

<220>  
<221> misc\_feature  
<222> 18, 25, 26, 33, 43, 84  
<223> w = a or u

<400> 97  
gggaauauaa uaggaacwsk cauawwaucg cswggauaug gcwsgcaagu uucuaccssg 60  
caccguaaaau gussgacuau gsswgagcaa ugg 93

<210> 98  
<211> 51  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 8, 13, 14, 26, 32, 33, 37, 41, 42, 50, 51, 54, 55, 63, 67  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 18, 38, 44, 53, 68, 71, 72, 78, 79, 84, 87  
<223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 1, 17, 25, 34, 60, 74, 75  
 <223> y = c or u

<400> 98  
 ycuuaucnag agnnggyrga gggaynggcc cnnyganrcc nncrgcaach n 51

<210> 99  
 <211> 251  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 152-251  
 <223> n = g, a, c or u

<400> 99  
 ggacuuccug acacgaaaau uucauaucgg uucuuaucaa gagaagcaga gggacuggcc 60  
 cgacgaagcu ucagcaaccg guguaauggc gaucagccau gaccaaggug cuaaauccag 120  
 caagcucgaa cagcuuggaa gauaagaaga gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180  
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240  
 nnnnnnnnnnn n 251

<210> 100  
 <211> 124  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 106  
 <223> k = g or u

<220>  
 <221> misc\_feature  
 <222> 13, 14, 46, 47  
 <223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 19, 42, 97  
 <223> s = g or c

<220>  
 <221> misc\_feature  
 <222> 98  
 <223> v = g, c or a

<220>  
 <221> misc\_feature  
 <222> 8, 9, 17, 18, 43, 44, 116, 117  
 <223> w = a or u

```

<220>
<221> misc_feature
<222> 84, 85
<223> y = c or u

<400> 100
ggguucuwuu carragwwsc agaggggacug gcccgcgaa gswwcrrcaa ccgguguaau 60
ggcgauacgc caugaccaag gugyyaaauc cagcaasvuc gaacakuug gaagawwaga 120
agag                                                                124

<210> 101
<211> 245
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 186-245
<223> n = g, a, c or u

<220>
<221> misc_feature
<222> 149, 160, 177
<223> s = g or c

<220>
<221> misc_feature
<222> 148, 161, 176
<223> w = a or u

<400> 101
ggucagaaaa auugaaaucg auuuuuuuu ucgugagagg uggaggggacu ggcccuuaga 60
aaccucagca accggcuugu uuugcauuug caaagcgcca aggugcuaaa uccagcaagc 120
guuuuuuuu cuuggaagau aagaagawsc guuaaaccs wucuucuuau gaagawsggg 180
uuuuuuuuuu nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnn                                                                245

<210> 102
<211> 167
<212> RNA
<213> Bacillus subtilis

<400> 102
gguacaaucu aaaaacuuau caagagcggc ugaggggacug gaccuugaa gcccggcaac 60
cugcauaguu uguaaggugc uacuuccagc aaaaugaauu ccuuuuugaa agauaagggc 120
ugcaugcugu uccugucuuu cuuuccgccg gauugaaagu uuuuuuuu 167

<210> 103
<211> 160
<212> RNA
<213> Bacillus anthracis

<400> 103
ggagcuuau aagagaagcg gaggggaacug gcccggcgaa gcucggcaac cugcuuauag 60
aaagcaaggu gcuaaaaucca gcaaaaugga auccauuuug aaagauaagg uaaaauuau 120
uaccgaacag ucuuuucgaa augggaaaga uuuuuuuuu 160

```

<210> 104  
 <211> 80  
 <212> RNA  
 <213> Bacillus subtilis

<400> 104  
 acacgaccuc auauaaucuu gggaaauagg ccacaaaguu ucuaccgggc aaccguaaa 60  
 ugccggacua ugcaggaaag 80

<210> 105  
 <211> 80  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 52-60  
 <223> n = g, a, c or u

<400> 105  
 aggaacacuc auauaaucgc guggauagg cacgcaaguu ucuaccgggc anccguaaa 60  
 uguccgacua ugggugagca 80

<210> 106  
 <211> 80  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 52, 60  
 <223> n = g, a, c or u

<400> 106  
 auuauacuu guauaaccuc aaauaaugg uuugagggug ucuaccagga anccguaaa 60  
 auccugauua caaaaauugu 80

<210> 107  
 <211> 80  
 <212> RNA  
 <213> Clostridium perfringens

<220>  
 <221> misc\_feature  
 <222> 52, 60  
 <223> n = g, a, c or u

<400> 107  
 auuuugcuuc guauaacucu aaugauagg auuagagguc ucuaccaaga anccgagaa 60  
 uucuugauua cgaagaaagc 80

<210> 108  
 <211> 80  
 <212> RNA  
 <213> Vibrio vulnificus



<220>  
 <221> misc\_feature  
 <222> 52, 60  
 <223> n = g, a, c or u

<400> 108  
 ucaacgcuuc auauaaucuu aaugauaugg uuugggaguu ucuaccaaga gnccuuaaaan 60  
 cucuugauua ugaagucugu 80

<210> 109  
 <211> 69  
 <212> RNA  
 <213> Bacillus subtilis

<400> 109  
 cacucauaau aucgcgugga uauggcacgc aaguuuucuaac cgggcaccgu aaauguccga 60  
 cuaugggug 69

<210> 110  
 <211> 63  
 <212> RNA  
 <213> Bacillus subtilis

<400> 110  
 uuguauaacc ucauaauau gguuugaggg ugucuaccag gaaccguaaa auccugauua 60  
 caa 63

<210> 111  
 <211> 102  
 <212> RNA  
 <213> Bacillus subtilis

<400> 111  
 uuguauaacc ucauaauau gguuugaggg ugucuaccag gaaccguaaa auccugauua 60  
 caaaauugu uuaugacauu uuuuguaaauc aggaauuuuuu uu 102

<210> 112  
 <211> 486  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 21-307  
 <223> n = g, a, c or t/u

<400> 112  
 atatccgttc ttatcaagag nnaagcaga gggannctgg nnnccccgac gaagcttnnc 60  
 agcaaccggt gtaatggcnn nnnnnnnnnn nnnnnnnnnn nnngatcann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnngccat gaccaagggtg ctaaatncca gnnnnnnncaa gctnnnnnnn 180  
 nnnncgaaca nnnnnnnnnn ngcttggaag ataagaagag acaaaatcac tgacaaaannn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngt cttcttnnnn nnnnnnnnnn cttnnnnnnn 300  
 nnnnnnnaag aggacttttt tatttctctt ttttccttgc tgatgtgaat aaaggaggca 360

gacaatggga cttttagaag atttgcaaag acaggtgtta atcggtgacg gcgccatggg 420  
gacgctcctc tactcctatg gcattgacag gtgttttgag gagctcaata tttcaaagcc 480  
ggagga 486

<210> 113  
<211> 486  
<212> DNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 21-305  
<223> n = g, a, c or t/u

<400> 113  
tcgatatttc ttatcgtgag nnnaggtgga gggannctgg nnnnccctta gaaacctnnc 60  
agcaaccggc ttgttttgcg nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnngcaaag cgccaagggtg ctaaattcca gnnnnnncaa gcgtnnnnnn 180  
nnnnnttttn nnnnnnnnna tgcttggaag ataagaagaa gcgttaaann nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ccttcttcnn nnnnnnnnnt tatnnnnnnn 300  
nnnnngaaga aggggttttt attttgaaaa gggaagggtgt cagctatatg tcacagcacg 360  
ttgaaacgaa attagctcaa attgggaacc gtacgcatga agtcacggga acagtgaagt 420  
ctcctatcta tttatcaaca gcataaccgcc acagagggat cggagaatct accggatttg 480  
attatg 486

<210> 114  
<211> 486  
<212> DNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 21-304  
<223> n = g, a, c or t/u

<400> 114  
acattttctc ttatcgagag nnttgggcga gggannctgg nnnncccttt gaccccaanc 60  
agcaaccgac cnnnnnngta ataccattgt gaaatggggc gcactgcttt tcgcgccgag 120  
actgatgtct cataannnnn nggcacgggtg ctaattcca tnnnnnnncag atnnnnnnnn 180  
nnnnntgttn nnnnnnnnnn ngctcgagag atgagagagg cagtgtttta cgtagaaaaa 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ctctttctcn nnnnnnnnnt catnnnnnnn 300  
nnnnnggaaa gaggttttt gttgtgagaa aacctcttag cagcctgtat ccgcgggtga 360  
aagagagtgt tttacatata aaggaggaga aacaatgaca accatcaaaa catcgaattt 420  
aggatttccg agaatcgacc tgaaccggga atggaaaaaa gcacttgaag cgtattggaa 480  
aggcag 486

<210> 115  
<211> 486  
<212> DNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 21-304  
<223> n = g, a, c or t/u

&lt;400&gt; 115

```

atatattctc ttatcgagag nnttgggcga gggatnnttg nnnncctttt gaccccaana 60
agcaaccgac cnnnnnngta attccattgt gaaatggggc gcantttttt tcgcgccgag 120
acgctggtct cttaannnnn nggcacggtg ctaattncca tnnntnncag atnnnnnnnn 180
nnnnnctgnn nnnnnnnnnn natctgagag ataagagagg cggacataga tgtaannnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ctccttctcn nnnnnnnnnn tctnnnnnnn 300
nnnngagaag gaggtttttt tacggccaca tattaattaa ttacataatt ggagggttatg 360
atgatgggag tcacaaaaac acctttatac gaaacgttaa atgaaagctc cgctgtggcg 420
ttggcggtga agcttggcct atttccaagc aaaagcacgc tgacatgcca ggagatcgga 480
gacggc 486

```

&lt;210&gt; 116

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Bacillus subtilis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-301

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 116

```

ctatatcttc ttatcaagag cannggcaga ggganncgag nnnncccgat gaagccnnnc 60
ggcaaccgac ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aagcacggtg ctaattnctt gnnnnnnncag cttnnnnnnn 180
nnnnnagcnn nnnnnnnnnn nggctgagag ataagattcg gacgagaaac gaaannnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tcttttagacg cnnnnnnnng attnnnnnnn 300
ngcagtttga agagggtttt tgatatggat gaaaatgaaa ggagctctgg catgagttag 360
ttattagcga catatctcct gaccgaaccg ggagccgata cagagaagaa agcagaacaa 420
atcgcaacag gattgacagt aggcctctgg actgatctgc cccttgtaaa acaggagcaa 480
atgcaa 486

```

&lt;210&gt; 117

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Bacillus subtilis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-305

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 117

```

atctaaaaac ttatcaagag cnnnggctga gggannctgg annnccnat gaagccnnnc 60
ggcaacctgc annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntagttnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ntgtaagggtg ctnacttcca gnnnnnncaa aatgnnnnnn 180
nnnnaattcn nnnnnnnnnc attttgaaag ataagggctg catgctgttc ctgtnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tcttttcenn nnnnnnnnnn gccnnnnnnn 300
nnnnnggatt gaaagttttt tattttaaga ggtaaaaagg ctatctgtat atcagcagcc 360
gcgaatcaca ttacatggga aaagacaacc ggcagaaagc tactgtttgt ttgtctccga 420
aaggaggaaa gaagaaatgt taacgtatga taattgggaa gaaccaacga ttacatttcc 480
ggaaga 486

```

<210> 118  
 <211> 486  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 21-306  
 <223> n = g, a, c or t/u

```
<400> 118
tcaatatttt ctatccagag nnnaggtgga gggannctgg nnnccctat gaaacctnnc 60
ggcaacannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnntgtg ccaattncca gnnnnnncaa gcnnnnnnnn 180
nnnngctann nnnnnnnnnn ngcttgaaag ataggaaagc aagggtttata ccggcgctctg 240
cctgtaacag agegcgccta tatatgaatc tctttccnnn nnnnnnnnat cttcnnnnnn 300
nnnnnnggaa agagattttt tttatgaaaa atacgatgaa aaggatgttt tgcagcatga 360
cgggttttggg tacagcaccg tacaacgaag aaggacgaaa agagcttgaa aacttggttg 420
gctcagttgc ttatcaatct tggaaggaac aaggtagggc atatcgggag gatgaactca 480
ttcagc                                         486
```

<210> 119  
 <211> 486  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 23-307  
 <223> n = g, a, c or t/u

```
<400> 119
gcggtacttc ttatcccagag ctngggcgga ggganncagg nnnccctat gaagccnnnc 60
agcaaccggt ttctcnnnnn nnnnnnnnnn nntgttatt tattatgttc aactgagtnn 120
nnnnnnnnnn nnnnngagac aaccaagggtg ctaannncct gnnnttgcaa ggnnnnnnnn 180
nttgatgat tnnnnnnnnn nccttgagcg ataagagtga aaggcacaaa gaccaaaannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ctttcnnnnn nnnnnnnnnt cgatnnnnnn 300
nnnnnnngga aaaggttttt ttatttcata aatatgccaa ttaacattct ctaatataac 360
tgtacattgt ataagaggga gcgagttccg tatcatatat acaaggtctt tcgggaggcc 420
ttgtgcagga ggaagcaaat catgagtaaa aatcgctcgtt tatttacatc agaactctgtt 480
acggag                                         486
```

<210> 120  
 <211> 486  
 <212> DNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 22-305  
 <223> n = g, a, c or t/u

```
<400> 120
tatatttctc ttatcaagag annnggtgga gggannagtg nnnccctat gaagccnnnc 60
ggcaaccatc aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnactnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt tgaaatgggtg ccaattncac annnnnncga agcnnnnnnn 180
nnnngttcan nnnnnnnnnn gctttgaaag atgagagaaa ggcattttat ataannnnnn 240
```

```

nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ctttctgcnn nnnnnntca agtgtnnnnn 300
nnnnngcaga aaggcttttc ttttgcagaa aaaaccggaa gatttcttag aatagtgtta 360
aggcaggtga ttgctttgat caatcttcag gatgtttcaa aagtttataa gtcgaaacat 420
ggagatgtca atgctgtcca aaacgtctcg ctttccatta aaaaaggtga gatttttggg 480
attata 486

```

```

<210> 121
<211> 486
<212> DNA
<213> Bacillus subtilis

```

```

<220>
<221> misc_feature
<222> 22-305
<223> n = g, a, c or t/u

```

```

<400> 121
aagttgtacc ttatcaagag annnggtgga gggannctgg nnnccctnat gataccnnnc 60
ggcaaccgct gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntcannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnaa cagaatggtg ctaaattcct tnnnnnnnaag aacnnnnnnn 180
nnnnnattgc nnnnnnnnnn gttcttgcag atgaggcgga gatttgatcg ttcaannnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc tcttcctttn nnnnnnnnna cacannnnnn 300
nnnnnaagga agagcttttt acatgcttaa tatttcagaa aagaggcgaa taacatggct 360
caacaaacga atgttgcagg acaaaaaaca gaaaaacaac gcaaagcacc tttccgcgcc 420
gatcatgtcg gcagcttgct tcgttccggt ccggtaaagg aagcccggca aaaaaagcg 480
gctggt 486

```

```

<210> 122
<211> 486
<212> DNA
<213> Bacillus subtilis

```

```

<220>
<221> misc_feature
<222> 22-305
<223> n = g, a, c or t/u

```

```

<400> 122
aaggttttcc ttatcaagag annnggtgga gggannctgg nnnccctgc gataccnnnc 60
ggcaaccgct gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnna cagaatggtg ctaaattcct tnnnnntag agcaannnnn 180
nnnnntgann nnnnnnnntt gctcttgaag ataagggtga gattgtcacg caannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc tcttcctttn nnnnnnnnna tccannnnnn 300
nnnnnaagga agagcttttt tatatttgaa tggaaagaag gaatggacaa catgtcacaa 360
caaacaacac ccgcagaaca aaaatcactt caaagaaaaa aaccgccgtt tcgcgcggat 420
caagtcggaa gcctgctaag atctgagccc gtcaaaaaag cgcggctgca aaaagcggcc 480
ggcgaa 486

```

```

<210> 123
<211> 486
<212> DNA
<213> Bacillus halodurans

```

<220>

<221> misc\_feature

<222> 22-306

<223> n = g, a, c or t/u

<400> 123

```
tcatattttc ttatccagag tnnnggtgga gggannctgg nnnnccctgt gaagccnnnc 60
ggcaacctct tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttttnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aaagaaggtg ccaattacca gnnnnnnncag aacannnnnn 180
nnnnntgann nnnnnnnnnnt gttctgaaag ataagaagcg aacggatcgn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnca cgtcttcnnn nnnnnnnnnnt taccnnnnnn 300
nnnnnngaag aggtgttttt tcttgtttta acaccttata tgcgggaaag attacttggt 360
attgtaccga aaacagcaag acaaaaaaag aacaacttgg aatgaggagg cgttgtagat 420
gaaaaaaatt tacgtaatcc acgaaaacga tgaatggacg gttcacctat ttaaaccgact 480
tgagga 486
```

<210> 124

<211> 486

<212> DNA

<213> Bacillus halodurans

<220>

<221> misc\_feature

<222> 22-308

<223> n = g, a, c or t/u

<400> 124

```
ataaaaagac ttatcgagag annnggcaga gggannctga nnnncccgat gatgccnnnc 60
ggcaacccgt ttgttnnnnn nnnnnnnnnn nnnnnnnnnn nnnagccann nnnnnnnnnn 120
nnnnnnnnnn nagcaaacga aggtgctaata tntcagnnnn nncagaatgn nnnnnnnnna 180
tttnnnnnnn nnnncattct ggaagataag cgaaggcgaa aannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ttccnnnnnn nnnnnnnnnnt taccnnnnnn 300
nnnnnnnnng aaaggttttt ttgttagaga gccaaagttt tataaaaatg aggagagggc 360
atacgaaagg ggaataatc agatgattaa agttggtgtg atcggatttg gcaccgttgg 420
gcaaggtgtt gtcgagagtc tagttcaatt ggagcgagga ttaaggaaag aagttactct 480
cgaaat 486
```

<210> 125

<211> 486

<212> DNA

<213> Bacillus halodurans

<220>

<221> misc\_feature

<222> 21-302

<223> n = g, a, c or t/u

<400> 125

```
tctcgtattc ttatccagag nnnaggtgga gggannacgg nnnnccccgaa gaaacctnnc 60
agcaaccagc cacgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatccnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnntg tggtcaggtg ctaattncct gnnnnnnncaa gcannnnnnn 180
nnnnntattn nnnnnnnnnn tgcttgagag ataagaggaa gcgagtgaga tccaannnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnca cctacttctt ctttnaatct tacatgacnn 300
nngagaaggt aggtgttttt ttacacaatc agaaaagatc gaactttttca gatagtttaa 360
```

```
gaaaaatgaa ggctttcgca acttggcgac gagctgattt ttccaataga tggataggag 420
gagcaaccat gaatcgtaaa gaattagaaa cagctttagt acaaacgga aatcgaatgg 480
atgatac 486
```

```
<210> 126
<211> 486
<212> DNA
<213> Bacillus halodurans
```

```
<220>
<221> misc_feature
<222> 23-306
<223> n = g, a, c or t/u
```

```
<400> 126
acggatactc ttatccagag ttninggtgga ggganncagg nnnncccgaa gaaaccnnc 60
agcaaccaac acctnnnnnn nnnnnnnnnn nnnnnnnnnn ngttaaacaa nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnagg tgaaaagggtg ctaannncct gnnnnnncaa ggcnnnnnnn 180
nnnnngttnn nnnnnnnnnn gccttgaaag ataagaggcg aaaggatatgt taattaannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cttttcennn nnnnnnnntc ataattnnnn 300
nnnnnnggaa aagggttttc ctcatTTTTa tacttttgca agtgtgctgt ggagaaatgag 360
tgccgtatca tgTTTTgcgc agcctgcgct tggttaagggt gtgcttaagg gaggatattc 420
gtaaatggca gatacaagaa gtcgtcgctt atttacatca gagtctgtta cagaaggaca 480
tcttga 486
```

```
<210> 127
<211> 486
<212> DNA
<213> Bacillus halodurans
```

```
<220>
<221> misc_feature
<222> 22-306
<223> n = g, a, c or t/u
```

```
<400> 127
aagaaaactc ttatcatgag annnggtgga gggannctgg nnnncccgat gaagccnnnc 60
agcaaccgcc aagcnnnnnn nnnnnnnnnn nnnnnnnnnn nagcaaaten nnnnnnnnnn 120
nnnnnnnnnn nnnnnngctt ggaaaagggtg ctaattncct gnnnnnncaa agcnnnnnnn 180
nnnnngatnn nnnnnnnnnn gctttgagag atgagagaag ggaagacgta aaacattnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tttctgcenn nnnnnnnnnt catgnnnnnn 300
nnnnnngcgg aaagggtttt ttgttctatt atgcagtttg attcacggaa ttgtactttc 360
ttacgataat gatttgcggtg ctcttgaga cgaaatttgc gagagtgaga gtttttgctc 420
tcgtactgac tttcgtaaa ttggtaacgc gtagacgaac tgatatattt ttagaaaaga 480
gggctt 486
```

```
<210> 128
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis
```

```
<220>
<221> misc_feature
<222> 21-305
<223> n = g, a, c or t/u
```

&lt;400&gt; 128

```

atagttagac ttatcaagag nnnagatgga gggannttgg nnnncccgat gaagtctnnc 60
agcaaccagc ctannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnagatann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aggtatggtg ctaattacca annnnnntag gctnnnnnnn 180
nnntacann nnnnnnnnnn agccttaaag ataagaagag ctatgtattt taannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ctcttctnn nnnnnnnnta cttttnnnnn 300
nnnnnagaag aggggttttt tgatttttag aataggagga gattattatg aagcggagtt 360
tacaagacg tttgcaagaa ggcacggtaa tagcaggaga aggggtattta tttgaattag 420
agaggagggg gtacttacag gcaggttcgt ttgtaccaga agtagccctt gaaaatccgg 480
atgcgt

```

&lt;210&gt; 129

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Ocenobacillus iheyensis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-306

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 129

```

atgacaattc ttatccagag nnnaggtgga gggannctgg nnnncccaag gaagcctnnc 60
ggcaacagac ttannnnnnn nnnnnnnnnn nnnnnnnnnn nntttgatnn nnnnnnnnnn 120
nnnnnnnnnn nnnntaagta ctgtgccaat tncagannnn nntagcgnnn nnnnnnnnt 180
aatnnnnnnn nnnnnntgct agaagatgag aagagtatat agtacggttt cctgtannnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ctcttctnn nnnnnnnnta cttgtannnn 300
nnnnnnagaa ggggggttttt acttttccct attctctgta cagaactgtc atatgctagt 360
ttcatagagc aagaccctac tctataagac tagcccaaat ctaaaggaga aagaaggaaa 420
ttaacatgac aaaaacagtt attaaagcac catttcgcgc agaccatgta ggtagcttac 480
tacgac

```

&lt;210&gt; 130

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Oceanobacillus iheyensis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-315

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 130

```

atgaaaatac ttatcaagag nnnaggtgga gggannctgg nnnncccgct gaaacctnnc 60
agcaacagan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nacgcatctg nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnntctgtg ctaaatncct gnnnnnncaa gcnnnnnnnn 180
nnnnaatann nnnnnnnnnn ngcttgaaag ataagttgag gttatcgtaa tatccaagtt 240
ctctcttctt atctttatca tgttttttnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnaatag aagggatgga tttatatatg agcatacgga atgaagatga 360
aacggaacaa agaagaaatg atctaattga gaaattaatt gcatactaata attttaaaaa 420
agggaacaaa catctatatg aactgacaac agcagagttg gaatacgaat acttttaaatt 480
acaata

```



<210> 131  
 <211> 486  
 <212> DNA  
 <213> Oceanobacillus iheyensis

<220>  
 <221> misc\_feature  
 <222> 21-306  
 <223> n = g, a, c or t/u

```
<400> 131
attgaataac ttatccagag nnntgacgga gggaancagg annncctanc gatgtcannc 60
agcaacctac cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttacnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nggagtgggtg ctntcttctt gnnnnnnncag aannnnnnnn 180
nnnnnttttnn nnnnnnnnnn nttctgaaag ataaggtaat gatatgtaaa aannnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ttctttctnn nnnnnnnnng aatnnnnnnn 300
nnnnnngaaa gaaggttttt ttgatgggat gtgttatgta tgattcagtt ggaaaatatc 360
gagaaacact atgaatctaa aaagagaaga gtgatagggg tagatcaagt ttcccttgat 420
atcaaaaagg gagaaatata tggcatcggt ggatatagcg gtgcaggtaa aagtacgctt 480
ttacgt 486
```

<210> 132  
 <211> 486  
 <212> DNA  
 <213> Oceanobacillus iheyensis

<220>  
 <221> misc\_feature  
 <222> 23-303  
 <223> n = g, a, c or t/u

```
<400> 132
acggatactc ttattcagag ttninggtgga ggganncaga nnnncccgat gaagccnnnc 60
agcaaccatc actnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnactnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnng tgaaaagggtg ctaannntct gnnnatgcaa ggannnnnnn 180
nnntaatagt nnnnnnnnnn tccttgaaca ataagagcga aaggccataa ttcttnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ttctctcatn nnnnnnnnnn gttnnnnnnn 300
nnnatgaagg aaaggttttt ttgtttttat ctataatttt aggtaccgcg ttttttagta 360
cgaggttctt ttattggcac tttgaatagg atagaagtta taaagagatc cgtaccaaca 420
tatatcaaag gagagttag ccttatggct gcaaatcgac gtttatttac ttcagagtca 480
gtaact 486
```

<210> 133  
 <211> 486  
 <212> DNA  
 <213> Oceanobacillus iheyensis

<220>  
 <221> misc\_feature  
 <222> 21-304  
 <223> n = g, a, c or t/u

```
<400> 133
atgatatctc ttatctagag nnncggtgga gggannctgg nnnncccttt gaaaccgnnc 60
ggcaaccttc atnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaattaann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn atgaaagggtg ccaattncct gnnnnnnncan nnnnnnnnnn 180
nnnnngaaaan nnnnnnnnnn nnnntgaaag atgagagaac gtcagacgat atacgataaa 240
```

```
tacgtannnn nnnnnnnnnn nnnnnnnncg tctttctgtn nnnnnnnntc tctnnnnnn 300
nnnnacagaa aggcggtttt attttgacga attatgggga aactatacga aatgggtgct 360
ggagagtaag aggaggaata aagattgata tccatcgaag ggttaagtaa agtattttca 420
ttaaataaaa aagacatcaa agctgtagac tcattgacct tcaatattga aaatggcgat 480
atttat 486
```

<210> 134

<211> 486

<212> DNA

<213> *Oceanobacillus iheyensis*

<220>

<221> misc\_feature

<222> 21-306

<223> n = g, a, c or t/u

<400> 134

```
tacgtttttc ttatcatgag nnnaggcgga gggaanatgg nnnncccaac gaaacctnnc 60
ggcaacaggt tctnnnnnnn nnnnnnnnnn nnnnnnnnnn nntattnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnna gaatactgtg ccaattncca tnnnnnncaa gcannnnnnn 180
nnnnnaatnn nnnnnnnnnn tgcttgaaag ataagagtag aataatttat tagctttaaa 240
annnnnnnnn nnnnnnnnnn nnnnnnnnct ctattctnnn nnnnnnnnta ttacnnnnnn 300
nnnnnnggaa tagagttttt tgttacatag aatggctcta taatatttgt tggggtaaaa 360
gaaaaataaa aaacacgcaa tctcctattt ttgttatcat tgtttaaacc actaaaccaa 420
acaaaagga gatgcgtgca attgaattct aacataacat tacctggggt ggaagaagga 480
aatata 486
```

<210> 135

<211> 486

<212> DNA

<213> *Oceanobacillus iheyensis*

<220>

<221> misc\_feature

<222> 21-304

<223> n = g, a, c or t/u

<400> 135

```
atgaaatata ttatcctgag nnnagggtgga gggaanatgg nnnncccaaa gaagcctnnc 60
ggcaacaggt tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntagctnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gaatactgtg ccaaatncca tnnnnnncaa gtatnnnnnn 180
nnnnntctnn nnnnnnnnna tgcttggtag ataagagaag tcggcgacag agnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct cttttcttan nnnnnnnnnt cttnnnnnnn 300
nnnnatgaa aagggttttt taattactaa cgatagataa tgggggatga aaatgaagta 360
tggtttctgg ttgccgattt ttggagggtg gttgcgtaat gtagaagatg aacagatgcc 420
tctactttt gaatatgcaa aacaggtaat tcagcacgcg gaagaatggg gatatgatac 480
gacttt 486
```

<210> 136

<211> 486

<212> DNA

<213> *Oceanobacillus iheyensis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-308

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 136

```

ttattttttcc ttatcaagag tnnccggggga ggaatnctgg nnnntccatt gatccccgnc 60
agcaaccagt tacnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnaatgaann nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnng taacatgggtg ctcattncca gnnnnnnncaa gcnnnnnnnnn 180
nnnnngtagnn nnnnnnnnnnn ngcttgatag atgagaaaag tgtttatacc ttttaaataa 240
aannnnnnnnn nnnnnnnnnnn nnnnnnnnnct ctttcnnnnn nnnnnnnnnnt catcnnnnnn 300
nnnnnnnnngg aagagttttt tctttgttgt cagtgagggt ttggaaaaat aagtgggaaca 360
gtttgacttc aaatatgagt aaaccaatca ggtaactaaa gtagggggat cgaaactgtc 420
aagtgatcgt agtttataaa aatctaaaat gaagaggaga gcgtgtatta tgccaactat 480
aaaaac 486

```

&lt;210&gt; 137

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Oceanobacillus iheyensis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-306

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 137

```

agcaaatctc ttatcaagag tnnnggtgga gggaantagg nnnnccctgc gaagccnnnc 60
ggcaacctgt agcnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnaatttnn nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnngcta ttgaaagggtg ctaaattncct annnnnnncag acnnnnnnnnn 180
nnnttcacn nnnnnnnnnnn ngctcggag atagaggag gttcgggttt aaacagacaa 240
annnnnnnnnn nnnnnnnnnnn nnnnnnnngt cctctcenn nnnnnnnnnnt tatnnnnnnnn 300
nnnnnnngaag ggggcttttt ttaatccttc tcttattact ttaaaaataa taaattcaag 360
gaggaaacac gatgtctaaa tttcaatctt tgcaagcaga aacaatctta cttcatggag 420
gacaggaacc agaccatca actgggtcac gtgcagttcc aatttatcaa actacgtcct 480
atgtgt 486

```

&lt;210&gt; 138

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Oceanobacillus iheyensis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-304

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 138

```

atgaaatata ttatcctgag nnnaggtgga gggaanatgg nnnncccaa gaagcctnnc 60
ggcaacaggt tennnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nntagcttnn nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnn gaatactgtg ccaaatncca tnnnnnnncaa gtatnnnnnnn 180
nnnnntctnn nnnnnnnnnn tgcttggtag ataagagaag tcggcgacag agnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnct ctttcttan nnnnnnnnnnt cttnnnnnnnn 300
nnntatgaa aagggttttt taattactaa cgatagataa tgggggatga aaatgaagta 360

```

```
tggtttctgg ttgccgattt ttggaggggtg gttgcgtaat gtagaagatg aacagatgcc 420
tctactttt gaatatgcaa aacaggtaat tcagcacgcg gaagaatggg gatatgatac 480
gacttt 486
```

```
<210> 139
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis
```

```
<220>
<221> misc_feature
<222> 21-300
<223> n = g, a, c or t/u
```

```
<400> 139
ttaatacttc ttatcgagag nnaagctaa gggacnctgg nnnnccctgtt gacgcttnnc 60
agcaacctct annnnnnnnn nnnnnnnnnn nntctccatn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn tagaaagggtg ctacctncca gnnnnnnncaa gatnnnnnnn 180
nnngtatn nnnnnnnnnn gtcttgaaag ataagagtc agattaaaaa aaannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc cgcgacgctc ttannnnnt ttatnnnnnn 300
taagggcatc gcggattttc ttatattaat tttattttta aaggagattg gtaaaatgaa 360
caacattgtg acattgtccg gcagcccctc cgaactatct agatctgaaa aagtactaca 420
ttatttaggg aatcaattaa gtgaacagaa attctatgtg acccatattt ctgttaaaga 480
tgtacc 486
```

```
<210> 140
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis
```

```
<220>
<221> misc_feature
<222> 21-301
<223> n = g, a, c or t/u
```

```
<400> 140
acgttttttc ttatctagag nnnagattga gggatncagg nnnnccctat gacatctnnc 60
ggcagcggat tctttannnn nnnnnnnnnn nnnnnnnnnn nnnntatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnntaaa gaatactgtg ccaattncct gnnnnnnncaa atgcnnnnnn 180
nnnaaacgan nnnnnnnnng catttgaaag atgagaaacg atggcttcta catatataca 240
tatggtagca annnnnnnnn nnnnnnnntc cctcttttct tgnnnnnnt ctttnnnnnn 300
ncaagaaaag agggattttt tatttcgctt gggggttgag acatgattga atttcagaat 360
gtaacaaaga cattcacact aggaaaaaga aaagtagaag ctgttaaaga agtatctcta 420
acgatcgaaa aaggagatat ttatggaatt attgggttca gcggtgcagg aaaaagtacc 480
ttgctt 486
```

```
<210> 141
<211> 486
<212> DNA
<213> Oceanobacillus iheyensis
```

```
<220>
<221> misc_feature
<222> 22-304
<223> n = g, a, c or t/u
```

```

<400> 141
ctaatatctc ttattgagag tnnnggctga gggannctgg nnnnccctgt gacgccnnnc 60
ggcaaccggt catcgtnnnn nnnnnnnnnn nnnnnnnnnn nnaattccan nnnnnnnnnn 120
nnnnnnnnnn nnnnnngtga tgaataggtg ctaaattncct gnnnnnnncaa aatacnnnnn 180
nnnnggacan nnnnnnnngt attttgagaa ataagagagg tgatgaatga cttacgtagt 240
gtaatgttan nnnnnnnnnn nnnnnnnntg cctctcgatn nnnnnnnnnnt tcacnnnnnn 300
nnnnatcggg aggcattttt tagtttcccg gaaaaattca caacatgaga aaagaggaag 360
gatttatgtc cacatcgatt gtaaaaggag ctccgggtca ttatcggatt ggcgcggatg 420
tcttgagga aattcctgta ctgcttgaag aactgtcagt taatcgtata caagttatcg 480
cagggg

```

```

<210> 142
<211> 486
<212> DNA
<213> Clostridium acetobutylicum

```

```

<220>
<221> misc_feature
<222> 22-302
<223> n = g, a, c or t/u

```

```

<400> 142
taattgtttc ttatcaagag tnnngacgga ggganntagg nnnnccctat gaagtcnnnc 60
ggcaacatcc aannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttattnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnntt tggagatgtg ctaattncct annnnnncag gnnnnnnnnn 180
nnnntttatn nnnnnnnnnn nncctgagag atgagaatgt ttttaaann nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct gcttcttatt tnnnnnnntt taatnnnnnn 300
nnggataaga agcagtttta tttttttatt attaggagga gaagattatg ggagaaatag 360
attgtagaaa ttttgagaca aaagcagttc atggggagag tggttttgag agcagaactg 420
gggcaataag ctaccaata taccaaagtt ctaccttag acatgaaggc ttaaataaag 480
gaactg

```

```

<210> 143
<211> 486
<212> DNA
<213> Clostridium acetobutylicum

```

```

<220>
<221> misc_feature
<222> 22-307
<223> n = g, a, c or t/u

```

```

<400> 143
tgtaaaaatc ttatcaagag tnnnggtgga gggannctgg nnnncccttt gaaaccnnnc 60
ggcaaccagt atattnnnnn nnnnnnnnnn nnnnnnnnnn nnnttttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnaat atatgtggtg ctaaattncct gnnnnnnncag cnnnnnnnnn 180
nnnnaaacnn nnnnnnnnnn nngctgatag atgagaataa tcgcgaatgt aaannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ccgaggnnnn nnnnnnnntt atttnnnnnn 300
nnnnnnncca agggcttttt attttatcct attttttaag ggggctaact tatgaattct 360
tcactaaaga atttgttaaa taacaaaatt ttagtttttag atggtgctat gggaacatgt 420
attcaatcct ttaatctaga tgaaggcgac tttaaagggt ccttatcttg tacatgtcat 480
tccaat

```

<210> 144  
 <211> 486  
 <212> DNA  
 <213> Clostridium acetobutylicum

<220>  
 <221> misc\_feature  
 <222> 21-305  
 <223> n = g, a, c or t/u

<400> 144  
 taatatttcc ttatcaagag nnnaaacgga gggannctgg nnnncccaat gatgtttnc 60  
 agcaaccaag gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttatnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn acttatgggtg ctaattncca gnnnnnnncag gannnnnnnnn 180  
 nnnntattnn nnnnnnnnnn nttctgaaag atgaggagcg actatttaaa catttttatt 240  
 ttgttaatag annnnnnnnn nnnnnnnntc ctcttcttnn nnnnnnnnnt taannnnnnn 300  
 nnnnaagaa gaggatttta ttttgtaaat aatagaacca acttattatt atttggtttt 360  
 attctattaa aagtgggtgg ataggacata ttttattaaa agaagagaga aatacctcca 420  
 atatttctcc cttcaattcc ataagcttat agattttacc caatctatcc taaaatattt 480  
 ttacta 486

<210> 145  
 <211> 486  
 <212> DNA  
 <213> Clostridium acetobutylicum

<220>  
 <221> misc\_feature  
 <222> 22-306  
 <223> n = g, a, c or t/u

<400> 145  
 attagtgcac ttatcaagag annnggtgga gggannccgg nnnnccctgt gaagccnnnc 60  
 agcaacctgt atannnnnnn nnnnnnnnnn nnnnnnnnnn nntgttaatn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnt atacaagggtg ctaattncct gnnnnnnncag cnnnnnnnnn 180  
 nnnngctann nnnnnnnnnn nngctgagag atgagaatat aaatcgagct tttannnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnga gccagagnnn nnnnnnnntt tattnnnnnnn 300  
 nnnnnnctct ggctcttatt attttttaat ctaatgggaa aaggtgaatg acatgataga 360  
 aataaaaaat gtttctaaat atttttcagg aaataagggt cttaaagatg ttgatctgaa 420  
 gattaaaggc ggagaaatat ttggaattgt tggtcatagt ggagctggaa agtcaacatt 480  
 acttag 486

<210> 146  
 <211> 486  
 <212> DNA  
 <213> Clostridium acetobutylicum

<220>  
 <221> misc\_feature  
 <222> 21-305  
 <223> n = g, a, c or t/u

<400> 146  
 atattatttc ttatcaagaa nnnnggtgga gggannctgg nnnnccctat gaagccnnnt 60  
 gacaaccggc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaaatnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nngtacgggtg ttaattncct gnnnnnncaa aacnnnnnnn 180

```

nnnttatttn nnnnnnnnnn gttttgaaag ataagaaaac agcttattaa ttaatgagta 240
tggttaataan nnnnnnnnnn nnnnnnnntc cgtttttcnn nnnnnnnnnt tattnnnnnn 300
nnnnnggaaa atggattttt tttatatatt aaaatttaaa ctaggacggt gaaaaaatg 360
cctataaaaa tacctgataa tcttcagca gcaaaaactt taaatgaaga aaatatattt 420
tttatggatg aggatagagc ctatcatcaa gatataagac ctcttaatat tggtatagtt 480
aacctt 486

```

&lt;210&gt; 147

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Clostridium acetobutylicum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-307

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 147

```

tgataaggtc ttatcaagag annnggtgga gggannctgg nnnnccctat gaaaccnnnc 60
aacaaccagc atttnnnnnn nnnnnnnnnn nnnnnnnnnn nntttaattn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnag atgtatggtg ttaattncct gnnnnnncaa agnnnnnnnn 180
nnntttaann nnnnnnnnnn nttttgagag ataagaggat tataaaattt tagaaagcta 240
aaannnnnnn nnnnnnnnnn nnnnnnnntc ctcttcnnnn nnnnnnnnaa ctaannnnnn 300
nnnnnnngaa gaggatttaa ttttatatat ttttaggttt agatattgaa gttaaaatat 360
aataaaaagg ggatttttaa aatgagttaa gaaagaaaat ttgggttttg aacattacag 420
gttcatgcag gacaagttgc tgatccaact acaggatcaa gagctgtacc tatttatcaa 480
acaaca 486

```

&lt;210&gt; 148

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Clostridium acetobutylicum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-307

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 148

```

atggaaactc ttatcaagag annnggtgga gggaaanagg nnnncccggt gaaaccnnnc 60
ggcaaccgat gtattnnnnn nnnnnnnnnn nnnnnnnnnn nnaatttann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnagta cataatggtg ccaattncct gnnnnnnncag aannnnnnnn 180
nnnnnttann nnnnnnnnnn nttctgcaag ataagagaga gaatgttaan nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngt ctcttcnnnn nnnnnnnnnt tattnnnnnn 300
nnnnnnngag gagactttta tttttatatt gtaggaggaa gtggatataa tgagaaagtt 360
atttatctct gaatcagtaa cagaagggca tccagataaa atctgcgatc aaatatcaga 420
cgctatttta gatgccatat tggaaaaaga tccaaatgga agagttgctt gtgaaactac 480
agtgac 486

```

&lt;210&gt; 149

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Clostridium perfringens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-300

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 149

```

ttatatactc ttatccagag annnggtgga gggaaaaaagg nnnnccctat gaaaccnnnc 60
ggcaaccagt gannnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngaaannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn cactacggtg ccaattnccg gnnnnnnntaa agannnnnnn 180
nnnnnaatnn nnnnnnnnnn tctttacaag atgagagaag ataaatttag tgtataacta 240
aaannnnnnn nnnnnnnnnn nnnnnnnntc tcttcttaaa tctnnnnnt taannnnnnn 300
aggtttgaga agagattttt ttattaacaa aaatatttta aaggcgcgca ttaaaataaa 360
gtttgttaat taagctttaa agatattatt ttgaatcgtg ggaagataaa ttaagttatt 420
tgtttaataa aacaggggtg gaataaataa aaatgaaagg ggtgaattag ctatcttatt 480
atgata 486

```

&lt;210&gt; 150

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Clostridium perfringens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-307

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 150

```

ttaataaatc ttatcaagag annnggtgga gggannctgg nnnnccctgt gaaaccnnnc 60
agcaaccggt aattctttgc gggttaaaaca atgctgattt taaaataaaa aaatcagtag 120
taatttccta tgcaaagatt tatagcggtg ctaaatnccg gnnnnnnnccg tnnnnnnnnn 180
nnnnnagaann nnnnnnnnnn nnactgagag ataagaaaga gagtctgtaa gaataataa 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tctatcnnnn nnnnnnnnnnc tagnnnnnnn 300
nnnnnnngat aggagttttt ttattttgta ggataaagga tagatttatt aaatggatta 360
ggaggagaga aaatgaaaaa aggaaagttt tcagcattat taccattaat aatttttgta 420
tcgatttatt tgggaacttc attagtaatg aaagatttct actctgtatc tgttttagtt 480
ccagga 486

```

&lt;210&gt; 151

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Listeria monocytogenes

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-304

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 151

```

ttacgttttc ttatcaagag tnnnggtgga gggannatcg gnnncccggt gaaaccnnnc 60
agcagcggag cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcaannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nngttctatg ctaattnccg atnnnnncag aannnnnnnnn 180
nnngtaatan nnnnnnnnnn nttctggcag ataagtagta gctttcaatg aggnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntg cttcgattct gnnnnnnnacc aaaaaannnn 300
nnnnncagagg aagcgttatt tttttagcgc ttaaagaggg gaggttttgt tagatgaaga 360
aatttttatt agtagcgggt atctcggttt ttgccttggt gttaacggct tgcggagggt 420
ctggcgctag ttcagacaaa gcaaacgggt caggcaaaagc gaaagacggc ggctctctta 480
ttatcg 486

```



<210> 152  
 <211> 486  
 <212> DNA  
 <213> *Listeria monocytogenes*

<220>  
 <221> misc\_feature  
 <222> 22-305  
 <223> n = g, a, c or t/u

```
<400> 152
atattttctc ttatcgagag cnnnggcaga gggannctgg nnnncccgat gaagccnnnc 60
ggcaacctaa ctttatnnnn nnnnnnnnnn nnnnnnnnnn nnttaagcnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnataa agtgaagggtg ctaattncca gnnnnnncaa aatggnnnnn 180
nnntgtattn nnnnnnnncc gttttggtag ataagaggag ctggatatgt tgcactttcc 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnac ttctctattn nnnnnnnnnc taannnnnnn 300
nnnnnaatag agaagttttt ttattgcttt catgaataaa tctggataat cacacaacat 360
actaggaggg aaaaaagatg aaaaaattaa caaaagggtt aggaatttta cttgcatcaa 420
gccttgtttt aggattagca gcatgtggag gaggcagtga cgataaagcc ttaagcacag 480
aaaaaa                                         486
```

<210> 153  
 <211> 486  
 <212> DNA  
 <213> *Listeria monocytogenes*

<220>  
 <221> misc\_feature  
 <222> 21-303  
 <223> n = g, a, c or t/u

```
<400> 153
tagtattttc ttatcacgaa nnnaggtgga gggannctgg nnnncccttt gaagcctnnt 60
agcaaccgga annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttttatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ttacacggtg ctaattncca gnnnnnnncag nnnnnnnnnn 180
nnntatattn nnnnnnnnnn nnctgaaag ataagtcgga aatccaagtt taggaaactc 240
tatnnnnnnn nnnnnnnnnn nnnnnnnncc tctctggcgg nnnnnnnctt atatannnnn 300
nnnctgctag ggaggttttt tgatggaaat tactgataaa tacatatcaa agaggagtgg 360
attttatgag taatgagtat aaattcgaaa caattcaagt acacggcgga cacacaccgg 420
acggagatac acattctaga gccgtacctt tttatcaaac gacgtcatac acatttgata 480
gcccgg                                         486
```

<210> 154  
 <211> 486  
 <212> DNA  
 <213> *Listerial monocytogenes*

<220>  
 <221> misc\_feature  
 <222> 21-301  
 <223> n = g, a, c or t/u

```
<400> 154
acatagtaac ttatcaagaa nnnaggtgga gggtnctgg nnnnccccgt gaagcctnnt 60
ggcaaccgga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nntcacggtg ccaaatacca gnnnnnnncag nnnnnnnnnn 180
```

```

nnngtaacan nnnnnnnnnn nnnctgacag ataaggcacg cgaatcaggt aaattactnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tccctttaa agnnnnnnnc tgtnnnnnnn 300
ncttttaagg gaaagttttt ttatacataa aaataataag aattgaggcg aagaaaatga 360
accaagtagc tccattttat gcagatcatg tgggaagtat tttagcgaca aagggaatta 420
aagacgcacg agagaaattc caaagtggcg aaataacagc cttagagttg cgcaaaatcg 480
aaaata                                           486

```

&lt;210&gt; 155

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Listeria monocytogenes*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-296

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 155

```

aatttatctc ttatccagag cnnnggtaga gggannctga nnnncccttt gaagccnnnc 60
agcaacctac acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnatataann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gtgaaagggtg ctaannntct gnnnttgacg gannnnnnnn 180
nnntattatn nnnnnnnnnn cttctgaacg atgagagcaa aggtataatt atnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnag cctttctcta ttcgtgcgcg ttttnngtgc 300
aaaatagaga gaggtttttt atatgagacg tatttgagga gaattgaagg aggaaaataa 360
aattggctaa gaaccgtcat ctatttacat cagaatcggg ttctgatgga catccagata 420
aaattgcaga tcaaatatct gatgcaattt tagatgcaat tatttcaaaa gatcccgacg 480
cgcggtg                                           486

```

&lt;210&gt; 156

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Listeria monocytogenes*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-306

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 156

```

taaattgctc ttataatgag tnnnggtaga gggannctgg nnnncccggt gaaaccnnnc 60
ggcaaccttt caannnnnnn nnnnnnnnnn nnnnnnnnnn nnntacgnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnt tgaaaagggtg ctaaatncct gnnnnnnnca agtgannnnn 180
nnnnntgann nnnnnnnnnt gcttcgagag ataagagaga cttaaaaagt ttcagtgtat 240
ttgtgtatcg aaacttccaa annnnnnncc tctctagann nnnnnnnnnt tctnnnnnnn 300
nnnnnnctag ggaggttttt tattggcaaa aaatcgagag gataagggtga taggtatggt 360
aaaggcgatt agttcaaact tgggggtatcc gagacttggg gagaaacgtg aatggaaaacg 420
tgcgttagaa aaattctgga atggtgcgat ttcggaagag gaattgttgg ctgaaacgaa 480
ggctct                                           486

```

&lt;210&gt; 157

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Listeria monocytogenes*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-304

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 157

```

tgtagaaatc ttatccagag tnnnggtgga gggannaatg nnnnccctat gaagccnnnc 60
agcaacctaa acaataannn nnnnnnnnnn nnnnnnnnnn nnnttcannn nnnnnnnnnn 120
nnnnnnnnnn nnnnttatgt gtttaaggtg ctaagtncat gnnnnnnncag aacaannnnn 180
nnnnctaann nnnnnnnnntt gttctgaaag atgagaagga agttagtcca tttgaaaaaa 240
tgctnnnnnn nnnnnnnnnn nnnnnnnngc ctttctgctn nnnnnnnnnc atcnnnnnnn 300
nnnnagcaga aaggcttttt ttgtatatca gaatgtagaa aaggatgatag agatgattac 360
gttacaaaac gttgtaaaag aatacacgtc cagaaacaac aaagttctcg cagtcgatca 420
tgtcgattta gaaattgaac aaggcgagat tttcggaggt gtaggttatt ccggagctgg 480
taaaag 486

```

&lt;210&gt; 158

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Listeria innocua

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-304

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 158

```

ttacaatttc ttatccagag tnnnggtgga gggaaantcgg nnnncccgat gaaaccnnnc 60
ggcagcggag cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcaannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nngttctatg ctaattnccg annntnncag aannnnnnnn 180
nnngtaatan nnnnnnnnnn nttctggcag ataagtagta gcttttaatg aggnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnncg cttegattct gnnnnnnnacc aaaaaannnn 300
nnnncagagg aagcgttatt tttagcgctt aaagagggga gtttttggtta gatgaagaaa 360
tttttattag tagcggttat ctcggttttt gccttggtgt taacgggctt cggaggtctt 420
ggcgctagtt cagacaaagc aaacggttca ggcaaagcga aagacggcgg ctctctaatt 480
atcggt 486

```

&lt;210&gt; 159

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Listeria innocua

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-305

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 159

```

atattttctc ttatcgagag cnnnggcaga gggannctgg nnnncccgat gaagccnnnc 60
ggcaacctaa ctttatnnnn nnnnnnnnnn nnnnnnnnnn nnttaagcnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnngtaa agtgaaggtg ctaattncca gnnnnnncaa aatggnnnnn 180
nnntgtattn nnnnnnnnnc gttttggtag ataagaggag ctggatatgt tcgactttcc 240
annnnnnnnn nnnnnnnnnn nnnnnnnnct tctctattnn nnnnnnnnnn ctannnnnnn 300
nnnnnaatag agaagttttt ttattgcttt catgaataaa tctggataaa taatcaacat 360
actagggagg aaaaaaagat gagaaaatta acaaaagggt taggaatttt acttgcatca 420
agccttattc taggggttagc agcatgtgga ggcggaagtg acgataaagc cttaagcaca 480
aaagaa 486

```

<210> 160  
 <211> 486  
 <212> DNA  
 <213> *Listeria innocua*

<220>  
 <221> misc\_feature  
 <222> 21-303  
 <223> n = g, a, c or t/u

```
<400> 160
tagtattttc ttatcacgaa nnnaggtgga gggannctgg nnnncccttt gaagcctnnt 60
agcaaccgga annnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttattnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ntacacggtg ctaattacca gnnnnnnncag nnnnnnnnnn 180
nnntatattn nnnnnnnnnn nnnctgaaag ataagtcgga aatccaagtt taggaaactc 240
tatnnnnnnn nnnnnnnnnn nnnnnnnncc tctctggcgg nnnnnnnnctt atatannnnn 300
nnnctgctag ggaggttttt tgatggaaat tactgataaa tacatattaa agaggagtgg 360
attttatgag taatgagtat aaattcgaaa caattcaagt acacggcgga catacaccgg 420
acggagatac gcattctaga gccgtaccaa tttatcaaac aacatcgat acatttgata 480
gcccag                                     486
```

<210> 161  
 <211> 486  
 <212> DNA  
 <213> *Listeria innocua*

<220>  
 <221> misc\_feature  
 <222> 21-301  
 <223> n = g, a, c or t/u

```
<400> 161
acatagtaac ttatcaagaa nnnaggtgga gggtnctgg nnnnccaggt gaagcctnnt 60
ggcaaccgga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnctttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ntacacggtgc caaatnncca gnnnnnnncag tnnnnnnnnn 180
nnnnnatcnn nnnnnnnnnn nnactgacag ataaggcacg cgaaacaggt aaatcactnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ttccttaaa agnnnnnnnc tgtnnnnnnn 300
ncttttgggg gaaagttttt ttgtacataa aaataactag aattgaggcg aagaaaaatga 360
atcaagtggc accattttat gcagatcatg ttggaagtat tttacggaca aaggcaatta 420
aagaggcacg cgagaaattc caaagtggcg aaattacaac tcaagaatta cgtgaaattg 480
aaaatg                                     486
```

<210> 162  
 <211> 486  
 <212> DNA  
 <213> *Listeria innocua*

<220>  
 <221> misc\_feature  
 <222> 22-295  
 <223> n = g, a, c or t/u

```
<400> 162
aatttatctc ttatccagag cnnnggtaga gggannctga nnnncccttt gaagccnnnc 60
agcaacctac acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnatataann nnnnnnnnnn 120
```

```

nnnnnnnnnn nnnnnnnnnn gtgaaagggtg ctaannntct gnnnttgcag gagnnnnnnn 180
nnntaatatn nnnnnnnnnn ctcttgaacg atgagagcaa aggtataatt atannnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnngc ctttctctat tctgtgcgcn tttnnnctgc 300
aaaatagaga gaggtctttt atatgagacg tatttgagaga gaactaaagg aggaaaataa 360
aattggctaa aaaccgtcat ctattttacat cggaatcggg ttctgatgga catccagata 420
aaattgcaga tcaaatatct gatgcaattt tagatgcaat tatttcaaaa gatccggacg 480
cacgtg 486

```

<210> 163

<211> 486

<212> DNA

<213> *Listeria innocua*

<220>

<221> misc\_feature

<222> 22-306

<223> n = g, a, c or t/u

<400> 163

```

taaattactc ttattatgag tnnnggtaga gggannctgg nnnncccggt gaaaccnnnc 60
agcaaccttt caannnnnnn nnnnnnnnnn nnnnnnnnnn nnnttcgnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn tgaaaagggtg ctaaatncct gnnnnnnncga agtgnnnnnn 180
nnnnntgann nnnnnnnnnn gcttcgagag ataagagaga cttaaaaagt ttcactgtat 240
ttgtgtatcg aaacttccaa annnnnnncc tctctagnnn nnnnnnnnnn tctnnnnnnn 300
nnnnnnctag ggaggttttt tattggcaaa aaattgagag gataagggtga taggtatggg 360
aaaggcgatt agttcaaact tggggatatcc gagacttggg gagaaaacgtg aatggaaaacg 420
tgcgctagaa aagttttgga atggtgcgat ttcagaagag gaattattgg cggaacaaca 480
agctct 486

```

<210> 164

<211> 486

<212> DNA

<213> *Listeria innocua*

<220>

<221> misc\_feature

<222> 22-304

<223> n = g, a, c or t/u

<400> 164

```

tgtagaaatc ttatccagag tnnnggtgga gggannaatg nnnnccctgt gaaaccnnnc 60
agcaacctaa acaataannn nnnnnnnnnn nnnnnnnnnn nnnttcannn nnnnnnnnnn 120
nnnnnnnnnn nnnnttatgt gtttaagggtg ctaagtncat gnnnnnnncag aacaannnnn 180
nnnnnccgatn nnnnnnnnnn gttctgaaag atgagaagga agttagccca tttgaaaaaa 240
tgctnnnnnn nnnnnnnnnn nnnnnnnnngc ctttctgctn nnnnnnnnnn attnnnnnnn 300
nnnnnagcagg aaggcttttt tgtatatcag aatgtagaaa aggtgataga gatgattacg 360
ttacagaacg tcgtaaaaga atatacgtcc agaaataaca aagttctcgc agtcgaccat 420
gtcgatttag aaattgaaca aggtgagatt ttcggagtag ttgggtattc aggggctggg 480
aaaagt 486

```

<210> 165

<211> 486

<212> DNA

<213> *Staphylococcus aureus*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-304

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 165

```

ttcatatttc ttattgtgag nnnaagttga gggacnttgg nnnnccctgt gatacttnnc 60
agcaaccgac tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnttatnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn nagcacggtg ctaaaancca annnnnnncga gnnnnnnnnnn 180
nnnnnttann nnnnnnnnnnn nnctcgaatg ataagtataa agannnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnct tcttactttn nnnnnnnnnt caatnnnnnn 300
nnnnagggtg agaagttttt ttgtttaagg aggaaagaac aatgacaaat tacacagtag 360
atactttaaa tctagggaaa tttattacag aatctgggga agtcatagat aacttgcgtt 420
tgagatatga gcatgttggt tatcatggac aaccattagt tgtagtttgt catgcattaa 480
ctggca 486

```

&lt;210&gt; 166

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Staphylococcus aureus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-300

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 166

```

gcgtaaactc ttatcgagag tnnnggtgga ggganntgtg nnnnccctac gaagccnnnc 60
ggcaaccgtc tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnatatann nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn ngaaatggtg ccaattncac annnnnntaa agtnnnnnnnn 180
nnnnnttann nnnnnnnnnnn acttttgaag atgagagaaa caatactact atnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnntg ctttctcaat ttnnnnnntc tateannnnnn 300
gatattgaga aagcattttt tattttatta agcaacacag ggaggaatca acgtgattga 360
attaaaagaa gttgttaaag aatatcggtc taaaaataaa gaagtccttg ctgtagatca 420
cgттаattta tcgattcgag caggatcgat ttatggcgtc attgggtttt ctggagcagg 480
aaaaag 486

```

&lt;210&gt; 167

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Staphylococcus aureus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-301

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 167

```

acggattctc ttatcctgag tnnnggtgga gggacnatgg nnnacccaat gaaaccnnnc 60
agcaacctct ttnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnttatnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnaa aagaaagggtg ccaaannccg tnnnttgcag acnnnnnnnnn 180
nnnaaatagn nnnnnnnnnnn ngtctgaacg ataagagcga atggacgtat tannnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnngg ctttctctct atnnnnnnna ttannnnnnn 300
natagttaga aggtcttttt tatttagctc acagagagag aattttcgta atataaattt 360
aaaggagcaa actatgttaa ataacaaacg attatttact tcagagtctg ttacagaagg 420
acaccagat aaaatcgctg accaagtgtc agatgcaata ttagatgcta ttttaaaaga 480
cgaccc 486

```

<210> 168  
 <211> 486  
 <212> DNA  
 <213> *Staphylococcus aureus*

<220>  
 <221> misc\_feature  
 <222> 21-302  
 <223> n = g, a, c or t/u

<400> 168  
 taagcatcac ttatctagag nnnaggtgga gggannctgg nnnnccctat gaagcctnnc 60  
 ggcaacatnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnctcgann nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnatgtg ccaattnecca gnnnnnnntaa ccgnnnnnnn 180  
 nnnnnntaann nnnnnnnnnn tggtttgaag ataagcaggt aaagcacatg aaannnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnac ctctttcttc annnnnnnnt cgtnnnnnn 300  
 nntgtgagaa agaggatattt ttaattggaa agcaggtaaa aaggatggaa gtacataaaa 360  
 agagcaatgc ttgggcatta ttcccttgt tattatttgt ggcgttggtt ttaggcgtag 420  
 gtattatcac aggtgatttt acttcaatgc cattaaatgt tgcaattacg ataacggtaa 480  
 ttgtgg 486

<210> 169  
 <211> 486  
 <212> DNA  
 <213> *Streptomyces coelicolor*

<220>  
 <221> misc\_feature  
 <222> 21-315  
 <223> n = g, a, c or t/u

<400> 169  
 ttcataccgc tcatccagag nnnngggcaga gggatnacgg nnnncccgat gaagcccnc 60  
 ggcaaccctc cagtcggnnn nnnnnnnnnn nnttcttgtc acacggacgt ggcgaggctc 120  
 nnnnnnnnnn nnnnccggct aggggaaggtg ccaaattccg tnnnnnnctc acggcgnnnn 180  
 nnnnagatgn nnnnnnnnctg cgtgaggaag atgaggagaa agggcctcgc ctccatggct 240  
 gtgcagactg ccgaaacctc cacgaaccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nnnnnnnnnn nnnnnccacc gacgcgcgcg tcgacctcgg ccccgccacc gcgctgagct 360  
 gccgggagtg cggccacagg gttccgctcg gaccggtctt cgctgcgaa gagtgtttcg 420  
 gcccctcga gatcgctac gaattctcgg actacgacgc cgaagagctg cgcaagcgga 480  
 tcgaag 486

<210> 170  
 <211> 486  
 <212> DNA  
 <213> *Chlorobium tepidum*

<220>  
 <221> misc\_feature  
 <222> 21-200  
 <223> n = g, a, c or t/u

<400> 170  
 tttcgagcta tcatccagaa nnnaggcgga gggannctgg nnnnccctgc gaagcctnnt 60  
 ggcaaccctc atnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntccacnn nnnnnnnnnn 120

```

nnnnnnnnnn nnnnnnnnnn atgagcgggtg ccaaattcca tnnnnnnccc ggannnnnnn 180
nnnnnggaaan nnnnnnnnnn tccgggaaag atgatgtatg cattcctgct gatttcatac 240
ctcacttgat gcttcccgcg catacctcct gaccccgacc gcgcactacg gatcgagcgc 300
ttcaaccttg taccatttgc catgagtgag gataaacact tccggttcga gaccttgcag 360
gttcacgccg ggcaggagcc tgatccgggtg accggatcgc gcgccgtgcc catttaccag 420
accacctcct acgtgttcga gaacgccgag cacggcgctg acctgttcgc gcttcgcaag 480
gcgggc 486

```

<210> 171

<211> 486

<212> DNA

<213> Thermoanaerobacter tengcongensis

<220>

<221> misc\_feature

<222> 22-307

<223> n = g, a, c or t/u

<400> 171

```

taacacgctc ttatcaagag annnggtgga gggaanagag nnnncccgat gaaaccnnnc 60
ggcaacctgt cctnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttaann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ggataagggtg ccaattnctc tnnnnnnncag aagannnnnn 180
nnnnnttttt nnnnnnnnnn cttctgaaag atgagggtat gnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tcttctnnnn nnnnnnnnnn tttnnnnnnn 300
nnnnnnnaga aggggtttta ttttgcctt aaggaggga gaagatgcgt agactcttta 360
cttctgagtc agtcactgaa gggcatcctg acaagatctg tgaccagatt tcagatgcca 420
ttttgatga aattttaaaa aaagaccctt acgcccgctg ggcatgtgag acagctgtaa 480
ctaccg 486

```

<210> 172

<211> 486

<212> DNA

<213> Thermoanaerobacter tengcongensis

<220>

<221> misc\_feature

<222> 22-307

<223> n = g, a, c or t/u

<400> 172

```

ttaaattctc ttatcaagag annnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
ggcaaccagc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttagnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nggcatgggtg ccaattncct gnnnnnnncag cgnnnnnnnn 180
nnngttnnn nnnnnnnnnn ncgctgaaag atgagagatt cttgtannnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngt ctcttctnnn nnnnnnnntt ttagcnnnnn 300
nnnnnnngaa gggacttttt tatttttaaa aaaggagggg cattaaatgt tgaaaaatga 360
aaagctgtgt aataaactta aagaaaagaa atttgtaata actgtggaaa tttctcccc 420
caaagggata gatgtaacta aaactatcga ggaagctcga aaacttaaag gtgtggcaga 480
tgctct 486

```

<210> 173

<211> 486

<212> DNA

<213> Thermoanaerobacter tengcongensis



&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-299

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 173

```

ctcaatcctc ttatcaagag tnnnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
ggcaaccggc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngtaannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gtgcttggtg ccaattncct gnnnnnnncag gttgggnnnn 180
nnnngttann nnnnnnnnccc agcctgagag atgagaggag aggccgagta attgtgannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntt actaggccct cttcnnnnnt cattnnnnng 300
aagagggcct aagaattttt ctggaggtgc aaaatgaggg taaagattgg gttgatggga 360
cttggaactg ttgggacagg agtatttaaa atagttaatt ctagaggagg atatatcaag 420
gagagtacgg gattttatcc ggagataaag aaagtgcctg tgaaggattt gcacaaaaag 480
agaaaa                                           486

```

&lt;210&gt; 174

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Fusobacterium nucleatum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-307

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 174

```

tggaaataaa ccatcaagag nnnagattga ggganncagg nnnncccggt gagatctnnc 60
agcaacctac gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntaaaann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ntgtgtggtg ctaattncct gnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnatag atggaaaaga ttataataca tctnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ctatctnnnn nnnnnnnnngg aattnnnnnn 300
nnnnnnngga tagagttttt ttattttaat attttggtta ttttttaagg agggaaaaat 360
gaaaaagttt acatacttta catcagaatt tgtttcacca ggacatccag ataaaatttc 420
agatcaaata tcagatgcaa ttttagatgc ttgtttaaaa gatgacccta attcaagagt 480
tgctg                                           486

```

&lt;210&gt; 175

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Fusobacterium nucleatum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-307

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 175

```

aaataaataa ccatccagag nnnaaacgga gggannctgg nnnncccaat gatgttttnc 60
agcaacctac nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttaaatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nngtgtggtg ctaattncca gnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnagag atggagaggga aaattgaaac aagaactaan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc cactactnnnn nnnnnnnnct ataannnnnn 300
nnnnnnnggt atggattttt taattaagta agaatttatt atagaaagta gggatataaa 360
tgattacact tgaaaatgta aataaaaattt attccaataa cttgcatgct gtaaaagatg 420
ttaatttaaa agttaatgaa ggagatatct ttggaattat aggtttaagt ggtgctggaa 480
aatctt                                           486

```

<210> 176  
 <211> 486  
 <212> DNA  
 <213> Deinococcus radiodurans

<220>  
 <221> misc\_feature  
 <222> 22-268  
 <223> n = g, a, c or t/u

<400> 176  
 aggggtcacct ttatccagag tnnccggcgca gggacnctgg nnncccccattg accgccgnnc 60  
 agcaaccggc cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nctcatcacn nnnnnnnnnnn 120  
 nnnnnnnnnnn nnnnnnnnnnn ggcagcggtg ctntttacca gnnnnnnccc gcgcgagcag 180  
 cgcccgacga tggcgggcgc cgcggaacg ataaaggaag gcgggtcctc ttccgagggtt 240  
 ccaacggacg gctcagccn nnnnnnnntg ggcgtccctc tccagacttc ttttcgtcca 300  
 ggaaggggac gcccggtttt ggccgacctc tccgctctcc ccaccggagg cccgccccgt 360  
 gacctaccg tctccccccc cagccttgca ctccgaaggc gtcagcaaaa cctaccccg 420  
 ccagccggcg ccggcgctga gcgatttgac cctcaccgtt gcgcgcggca gccgcaccgg 480  
 catcat 486

<210> 177  
 <211> 486  
 <212> DNA  
 <213> Deinococcus radiodurans

<220>  
 <221> misc\_feature  
 <222> 22-315  
 <223> n = g, a, c or t/u

<400> 177  
 ccgtgcggcg tcatccagag tnnccgcccc ggggtgntttc ctgncccgcc tacggcggnnc 60  
 agcaaccggc cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nttcatcacn nnnnnnnnnnn 120  
 nnnnnnnnnnn nnnnnnnnnnn ggtcacgggtg ctntttncag gaaannnggg ccggttaggt 180  
 gcgcgcgacga tggcgcgagn cgcccnng atgcccgcca ggaggtgcat ttccaaccat 240  
 gagccatcac ccagaagcgt cggtctcnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300  
 nnnnnnnnnnn nnnnnngcaa tccgtccatc aaccatcaac cgtccaccat caccgaggcc 360  
 gcccgccagc gcctcctgat tctcgacggc gcctggggta cgcagcttca gcgagccaac 420  
 ctaccgaag cggacttccg ctgggacgaa gccgacccca cgcggatgta ccggggcaac 480  
 ttcgac 486

<210> 178  
 <211> 486  
 <212> DNA  
 <213> Xanthomonas axanopodis

<220>  
 <221> misc\_feature  
 <222> 21-315  
 <223> n = g, a, c or t/u

<400> 178  
 cctagcctca ccatacgagac nnnccggcgga ggganncagg nnncccttt gatgccgnng 60  
 ggcagccagc ggagcgcnnn nnnnnnnnnnn nnnnnnnnnnn nnnngcaannn nnnnnnnnnnn 120  
 nnnnnnnnnnn nnnngcgtcc gcgtttgggtg ccaaatncct gnnnnnnncgg ggacnnnnnn 180

```

nnnctccgcn nnnnnnnngt ccgcccgaag atggttcgaa tcgtgccttg cgcacgtcga 240
acgcgagctc cngcgaagct cgatggccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnngatcc accctggata ccgccatgag cctcgtgaat actgcatcgc 360
cgtctacca cgtattcggtt gacacccccg ccagcagcga cgacggcatc actgccgtgc 420
gcggcgaaact tgtcatcgcc ctgccgatgc gccatgccgg catgcgcgag ctgcggctgc 480
gctatg 486

```

<210> 179

<211> 486

<212> DNA

<213> *Xanthomonas campestris*

<220>

<221> misc\_feature

<222> 21-315

<223> n = g, a, c or t/u

<400> 179

```

cgtagcctca ccategagac nnnccggcga ggganncagg nnnncccttt gatgccgnng 60
ggcagccagc ggagcgcnnn nnnnnnnnnn nnnnnnnnnn nnnngcaann nnnnnnnnnn 120
nnnnnnnnnn nnnnngcggc gcgtttggtg ccaaattcct gnnnnnnnccg ggacnnnnnn 180
nnnctccgcn nnnnnnnngt ccgcccgaag atggttcgaa tcgtgccttc tgcacgtcga 240
acgcgagctc ccgcgaagct cgatggccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnngatcc accccggata tcgccatgag cctcgtgacc acagcatcgc 360
cactcaccac cgctgacacc tacacgcccg ccgctgatag cgacgccccg cctgccgtgc 420
gcggcgagct cgtcatcaat ctaccgatgc gccacgccgg ccaacgcgag ctgcgcctgc 480
gctacg 486

```

<210> 180

<211> 486

<212> DNA

<213> *Staphylococcus epidermidis*

<220>

<221> misc\_feature

<222> 21-304

<223> n = g, a, c or t/u

<400> 180

```

ttacctaac ttattttgag nnnaagctga gggatnttgg nnnncccata gaagcttunc 60
agcaaccgac tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttaaannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn naggcgggtg ctaatancca annnnnnncca gnnnnnnnnn 180
nnnnncaann nnnnnnnnnn nnctcgaatg ataagtaga taannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngt gcctttacat cnnnnnnnnna tttnnnnnnn 300
nnnnngagtaa ggcaacttttt tagttgaagg aggttagaac tattatgacg aattacacgg 360
ttaatacatt agaactaggt gagtttaaaa ctgaatctgg tgaaacgatt gatcatttac 420
gtctacgtta tgaacatgta ggacttcctg gtcaaccctt tgctcgttgt tgccatgcac 480
ttactg 486

```

<210> 181

<211> 486

<212> DNA

<213> *Staphylococcus epidermidis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-486

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 181

```

acggattctc ttatcctgag tnnnggtgga gggacnatgg nnnacccaat gaaaccnnnc 60
agcaacctct ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aaagaaaggt gccaaanccg tnnnttgacg acnnnnnnnn 180
nnnaaatatg nnnnnnnnnn ngctctgaacg ataagagcga atggacgttt aagagccttc 240
tctctatcta tannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnn 486

```

&lt;210&gt; 182

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Geobacter sulferreducens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-303

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 182

```

gtagaccttc ttatcaagag nnntggtgga gggannaagg nnnnccctgt gaaaccannnc 60
agcaaccggt ccgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtagnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnncgg acgccaggtg ctaaattncct gnnnnnnccc nnnnnnnnnn 180
nnnngaaann nnnnnnnnnn nnnngggagcg atgagaggga gcttgtgacc accgacgcgt 240
acannnnnnn nnnnnnnnnn nnnnnnnnng ccccttcccg nnnnnnnnnt tccnnnnnnn 300
nnncgggagg gggcctttca ttttcgcgcg cgcgcgcaac cgcccggtgg gaatcatgtc 360
cgtcggcatc gtcgaagaac aatccgtcac cttcgaaacg gatctcaggc tggaaagcgg 420
ccggatactg gggcccatca ccctggccta cgagacctac ggccggctga acgccgaccg 480
gtccaa 486

```

&lt;210&gt; 183

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Geobacter sulferreducens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-305

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 183

```

acggcttaac ttatcaagag nnncgaccga ggganncagg nnnncccggt gacgtcgnnnc 60
ggcaacctcc ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatggnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ggggaaggtg ccaattncct gnnnnnnnca gaccnnnnnn 180
nnnngacann nnnnnnnnng gtttcgggag ataaggaaga gcgtgacacc tcacggtgaa 240
tcgaannnnn nnnnnnnnnn nnnnnnnntc ctcttccggn nnnnnnnnnnc accnnnnnnn 300
nnnnnccgaa ggggattttt cattgtggag gaaaccatga acatcgcgac gcaggcagca 360
cagatcggtc tcgactggga taccgcgacc ggggcgggtg cggtacccat ctaccagacg 420
gcaaccttcc ggcattccggg attgggccag agcacgggct acgattattc ccgctccggc 480
aaccac 486

```

<210> 184  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 22-306  
 <223> n = g, a, c or t/u

```
<400> 184
acacatactc ttatcaagag tnnnggcgga gggannctgg nnnncccgat gatgccnnnc 60
ggcaaccgag cttatgnnnn nnnnnnnnnn nnnnnnnnnn nnnnacgnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnntata agctaagggtg ctaattncct gnnnnnncaa aatgannnnn 180
nnnngttnnn nnnnnnnntc gttttggaag ataagagagg atcctatddd gtctattcgn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc acctctcnnn nnnnnntta tttttnnnnn 300
nnnnnngaga ggtgcttttt attttggaac atatatgaag ggggaactat agatgaaaaa 360
agtattatta agcattgtaa gcggagcggg actattatta ggcgcagtga gcgctgggtc 420
ggataaagaa gtaaaagcgt tagatgagaa aaagattact gtcggtgtaa caggcggggc 480
gcatga 486
```

<210> 185  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 21-303  
 <223> n = g, a, c or t/u

```
<400> 185
agcaatttac ttatccagag nnnaggtaga gggannctgg nnnccctat gacacctnnc 60
agcagcgggt tctnnnnnnn nnnnnnnnnn nnnnnnnnnn nngtaatann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngg gaacaccgtg ctaattncct gnnnnnncaa gnnnnnnnnn 180
nnnncaagtn nnnnnnnnnn nncctgaaag ataagtgatg ggcctttgtt tattaannnn 240
nnnnnnnnnn nnnnnnnngc cttgatctta nnnnnnnnt ttttnnnnnn 300
nnntaggtac aaggcttttt gtattctaaa aagagaaaag ggagtaatgg aaaaagtacg 360
ttcataaaac aaagtaaatt catgtgttta ggggggttat gaagtgtatg taattaaaaa 420
attatcggtt atggtgttca cactatgggt tattacgaca gtgacatttc taattatgca 480
tattat 486
```

<210> 186  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 21-304  
 <223> n = g, a, c or t/u

```
<400> 186
tttactcatt gtatcaagag nnnaggtgga gggannctgg nnncccttt gaaacctnnc 60
ggcagcaggt tcannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttttnn nnnnnnnnnn 120
```

```

nnnnnnnnnn nnnnnnnnnt gaatactgtg ccacttnctt gnnnnnnncaa gctnnnnnnnn 180
nnnnnttatnn nnnnnnnnnnn agcttgaaaag atagaatgag ggacttcggt tatatacggg 240
tgcataactt gtacgtaaaaa annnnnnnntc cctctttctc nnnnnnnnnna atacnnnnnn 300
nnnnngaaaag agggattttt tatttttcat ttccctcatc atcatccaaa cttaattatt 360
taggaggaaa atcaaagtaa aaagaagttt gtaccggtta ttgcatcagt tgtaggagta 420
agtattttat taactgggtg cggtagttat aaaaacgaag caagcggagc aaatgcaaaa 480
gacgag 486

```

```

<210> 187
<211> 486
<212> DNA
<213> Bacillus anthracis

```

```

<220>
<221> misc_feature
<222> 21-298
<223> n = g, a, c or t/u

```

```

<400> 187
cgatacatte ttatccagag nnnaggtgga gggannctgg nnnnccctac gatacctnnc 60
agcaacgggt tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntttttnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn naataccgtg ctaactncca gnnnnnnncaa gccnnnnnnnn 180
nnnatataaaa nnnnnnnnnnn ggcttggaag atgagaagat gtgaccgagt acatataann 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnngt gctctccttc ttatcnnttt atgggttnnga 300
taagaaggag agcacttttt attttacctc gagagctcta cttcaagttt ttacagcata 360
taggaggggg aaaaatgatt tcttttaata atgtaagtaa agtatatgaa tcagggtgggc 420
aatctgttca tgcggtggag gatgtaacgt tatcagttga gaaaggcgaa atttttggca 480
ttatcg 486

```

```

<210> 188
<211> 486
<212> DNA
<213> Bacillus anthracis

```

```

<220>
<221> misc_feature
<222> 22-305
<223> n = g, a, c or t/u

```

```

<400> 188
gaataattct ttatcaagag annnggcaga gggannccgg nnnncccttt gaagccnnnc 60
agcaacctca gtttnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnatacnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnaaac tgaatagggtg ctaattnctt gnnnnnnncaa aatgcnnnnnn 180
nnnnnnattnn nnnnnnnnngc attttgaaag ataaaacgta actattgtgt acaaaaannnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnct catctttcnn nnnnnnnnttg atcatnnnnnn 300
nnnnngaaaag gtgagttttt ttatatattca aaacatatat tggagggtatt taaaatgaaa 360
gtaattgacc tatcacaaac attcgaaaat aatatgtctc aatttcctgg aacaccaaaa 420
atcaatttag aagccattac aagcggtgaa gaaacagggt atcaagttac agatttccat 480
tctgtc 486

```

```

<210> 189
<211> 486
<212> DNA
<213> Bacillus anthracis

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-308

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 189

```

aatacaaagc ttatcaagag annnagcgga gggaanctgg nnnnccccgc gaagctnnnc 60
ggcaacctgc ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatagann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aagcaaggtg ctaaattcca gnnnnnncaa aatggnnnnn 180
nnnnnaatnn nnnnnnnncc attttgaaag ataaggtaaa atatattacc gaacagnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc ttttcnnnnn nnnnnnnnga aatgnnnnnn 300
nnnnnnnngg aaagattttt tttatgaata aaaagggggg ctgttcgcgt gagcgtagcg 360
gaacattttg aggaagtgtc tgagagaatt caagcgatgc ttgctgatat gaaatatggg 420
tcaattacaa ttgttgtaga agatggaaaa gtcattcaac tagagaaaag tgaaaaagta 480
cgttta 486

```

&lt;210&gt; 190

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-305

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 190

```

tgaaaccttc ttataaagag nnnaggcgga gggannctgg nnnnccctac gatgcctnnc 60
ggcagcggac tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngattttan nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gagtgtgtg ccaaattcca gnnnnnncaa gcnnnnnnnn 180
nnnnatgttn nnnnnnnnnn ngcttgaaag atgagaagag cgtttcttat agatgtataa 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnga cctcttctnn nnnnnnnnnc gttnnnnnnn 300
nnnnnggaag aggtcttttg ttattcatta gaaaaaagggt tgaaactagg gagagatggg 360
actttgaaag aaacgagagg aaatggtttg gctttattac cacttgggat atttttggcg 420
ctatttatag gttctggaat tattacaggt gatttctata aattgccgat acttgtagca 480
atttca 486

```

&lt;210&gt; 191

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-306

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 191

```

aaattaatac ttatccagag nnnagggtgga gggaancggn nnnnccctat gaaacctnnc 60
agcaaccctc atgtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaaatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnga taggaaggtg ctaattnccg nnnnnnnncag agaacacnnn 180
nnnnngttnn nnnnnngtgt tttttggaag atgagaggat tcttgaacgt gaaagaaaaa 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntg acctctnnnn nnnnnnnnna tgtnnnnnnn 300
nnnnnaaga ggtcattttt tgttgtagat aaaggagggt tcgatgcata attcattttc 360
aaaataaata tagagtaata aaagttgact attaagagag gggaattata atgaacagat 420
tatcaacaaa attagtagta gcaatcgga ttggatcagc attatacggg atattaggac 480
tttggg 486

```

<210> 192  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 21-304  
 <223> n = g, a, c or t/u

<400> 192  
 atgaaaattc ttatcacgag nnnaggtgga gggannctgg nnnnccctat gaaacctnnc 60  
 ggcagcggat tcgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttannn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn gaatactgtg ccaattncca gnnnnnnncaa gnnnnnnnnn 180  
 nnnngtaann nnnnnnnnnn nncttgaaag ataagaaaga agctcatttt gactatatat 240  
 acagaannnn nnnnnnnnnn nnnnnnnngc ctctttctan nnnnnnnnnn ctttnnnnnn 300  
 nnnntagaaa gaggtctttt tacgtgaaaa taaaaggagg aagaaaaatg ggagcgacag 360  
 gagtagcgtc acaaagaaaa acaattgaag agagtatcga aagaaataag gaaaagtaca 420  
 tagaacaag tcatgatatt catgcgaatc cggagattgg taatcaagaa ttttacgcat 480  
 ctagaa 486

<210> 193  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 22-308  
 <223> n = g, a, c or t/u

<400> 193  
 gaatatcttc ttatccagag annnggtgga gggannctgg nnnncccgat gaaaccnnnc 60  
 agcaaccgcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngatnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnngcagggtg ctaattncca gnnnnnnncag aacannnnnn 180  
 nnnnaattnn nnnnnnnnnn gttctgggag ataagacgaa gatatatatg taannnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tcttcnnnnn nnnnnnnnnn tatcnnnnnn 300  
 nnnnnnnngg agagggtttt ttattgcaaa aaaaccgatt acgaaaaaat ttatattaag 360  
 aagaaagggg ttgcgaagta ctgtgacact cgaaaaatac gtaaaaactgc gtagtacagt 420  
 ttatgaatat atgatagagc aagataagcc aatatcattg ttagatattc aagaacatat 480  
 cgtttc 486

<210> 194  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 23-306  
 <223> n = g, a, c or t/u



&lt;400&gt; 194

```
tatacaactc ttatcaagag cannggtgga gggatnttgg nnnncccgat gaagccnnnc 60
agcaaccgac cnnnnnnnnn nnnnnngtaa taccattgtg aaatggggcg tttatgacgc 120
caaaannnnn nnnnnnnnnn nggcacggtg ctaattncca gnnnnnnncag aaagtntnnn 180
nnnnnaaann nnnnnnnnac tttctggcag ataagagggg agaagataaa cttcaaannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctttctnnn nnnnnnnnnt agtnnnnnnn 300
nnnnnnggaa agaggttttt ctacgtcaga aaaacctctg aatgaaaaaa ggggggagaag 360
acgatgggat attattcatt aacagaagta accgctgtac aatatgcgaa agaacatggt 420
tattttgaaa agaaagcaaa tgtagtttgt catgaaattg gagatggaaa tttaaattat 480
gtgttc
```

&lt;210&gt; 195

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-309

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 195

```
taaatacttc ttatcaagag cannggtgga ggganncgag nnnncccgac gaaaccnnnc 60
ggcaaccgat ctacannnnn nnnnnnnnnn nnnnnnnnnn nnntaatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnttgt agacacggtg ctaattnctc gnnnnnnncag cnnnnnnnnn 180
nnnnnattacn nnnnnnnnnn nngctgacag ataaggagct ggttgtaaaa aaannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctnnnnnnn nnnnnnnnct tagctnnnnn 300
nnnnnnnnng agaggttttt ttatttaact aggaggttat aacaatgagc ggaattatag 360
cgacgtattt aatccatgat gattcacata acttagaaaa aaaagctgag caaattgcac 420
tcggtttaac aattggctct tggactcatt tgccacactt attgcaagaa cagttaaagc 480
agcata
```

&lt;210&gt; 196

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus anthracis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-308

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 196

```
acgaacattc ttatctagag nnnaggtaga gggannctgg nnnnccctat gacgcctnnc 60
agcaaccatt aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt taataaggtg ctaattncca gnnnnnnncaa attnnnnnnn 180
nnngcgaaan nnnnnnnnnn aatttgacag atgagaagaa gactctattc aaaccgaaan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cttctnnnnn nnnnnnnnnt cttnnnnnnn 300
nnnnnnnnag aaggcttttt ttattttata ttcaactact ggttcaattt aaaaaggagg 360
aatttttaca tgtcaactat cgaaacaaaa ctagcgcaaa tcgggaaaccg gagtgaaact 420
acaacaggaa ctgttaatcc gcctgtttac ttttcaactg cttatcgtea cgaaggaatt 480
ggtaaa
```

<210> 197  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 22-304  
 <223> n = g, a, c or t/u

<400> 197  
 aagacaactc ttattgagag cnnnggtgga gggannaagg nnnnccctgt gaaaccnnnc 60  
 ggcaaccttc aaacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngaaatnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnngtt tgaaacggtg ctaatancct gnnnnnnncaa aacnnnnnnn 180  
 nnnngaattnn nnnnnnnnnn gttttgcata ataagaggag gaacaattat gttnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cctcttcann nnnnnnnnnn aagnnnnnnn 300  
 nnnntgaaga ggggggttttt atattgatag aaatgagggg gatttgtgaa attactagat 360  
 ttattgtcaa aaggaattgt aatagggtgat ggtgcggttg gaacattatt acattcacac 420  
 ggtttgcaaa gtagttttga agaattgaat atatctgatc cagatttaat tatatcgatt 480  
 cataag 486

<210> 198  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 23-304  
 <223> n = g, a, c or t/u

<400> 198  
 ggatactctc ttatcccgag ctngggcgga ggganncagg nnnncccgat gaagccnnnc 60  
 agcaacctca cttgtannnn nnnnnnnnnn nnnnnnnnnn ngtggtaaan nnnnnnnnnn 120  
 nnnnnnnnnn nnnntacagg tgaatagggtg ctaaaancct gnnntgncga ggctnnnnnn 180  
 nnnnnnacann nnnnnnnnnng gtctcgaacg ataagagcga agggcaaaaa gcagtatgca 240  
 agtagcaaatt taaannnnnn nnnnnnnncc tttcctctnn nnnnnnnnat ataannnnnn 300  
 nnnnagtagg aaagggttttt ctgtatgctt gtgtgggaga ataatgtat gtcgcaatct 360  
 gtggcaaatt aaggatgagt tccgtacaat atatacaatt actgtaggga ggtttaccac 420  
 atgacaaaaa aacgtcatct gttcacatct gagtctgtaa ctgaaggaca tccagataaa 480  
 atttgt 486

<210> 199  
 <211> 486  
 <212> DNA  
 <213> Bacillus anthracis

<220>  
 <221> misc\_feature  
 <222> 22-304  
 <223> n = g, a, c or t/u

<400> 199  
 ctgattttctc ttatcaagag annnggtgga gggacntgtg nnnnccctgt gaagccnnnc 60  
 ggcaaccgtc aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttatnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnngt tgaaatgggtg ccaattncct gnnnnnnncaa agcnnnnnnn 180

```

nnnnaaatgn nnnnnnnnnn nctttgagag atgagagaga gggataatgt tggtatatac 240
gcatataaan nnnnnnnnnn nnnnnnnncc tttctgcttn nnnnnnnnnnc tctannnnnn 300
nnnnaagcgg aaagggttttt ttgttggttg aatgtggagg acattcaa ataaaaagta 360
atgagaacgg tgggctaccg tatcaaaaat aaaaaattgc ggagtcaatc aaaaatctag 420
ctccagcggc tagaacagtc ggtcgtttca tcccttccta tgaggcaaaa agcgctcta 480
agtctg 486

```

&lt;210&gt; 200

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Bacillus anthracis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-301

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 200

```

ttgcatagtc ttatcaagaa annaggtgga ggganncagg nnnncccgat gaaacctnnt 60
ggcaacagcc gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnna cggattgtg ccaaatncct gnnnnnnncag gnnnnnnnnn 180
nntaataaat nnnnnnnnnn nncctgagag ataagaaaga gccttttagag cgtgttttca 240
aannnnnnnn nnnnnnnnnn nnnnnnnnct gctcctttct tgnnnnnnnt tttnnnnnnn 300
ncaggaaagg ggcagttttt tattttgtat aaaagaaagg agaatgagaa atgggagaat 360
catgggggaa aggaacgatt tgtgtgcaag gtggctatac gccaaagaat ggagaaccgc 420
gtgttttacc gctttatcaa agcacgacgt ataatatga tacttcggat gatttagcag 480
cattat 486

```

&lt;210&gt; 201

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Bacillus cereus*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-298

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 201

```

cgatacatte ttatccagag nnnaggtgga gggannctgg nnnnccctac gataacctnc 60
agcaacgggt tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttttttnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn naataccgtg ctaactncca gnnnnnncaa gcctnnnnnn 180
nnnnnatgaan nnnnnnnnna ggcttggaag atgagaagat gtgaacgagt acatataann 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngt gctctccttc ttatcnnttt atggttnga 300
taagaaggag agcacttttt attttacctc gagagctctg cttcaagttt tcacagcata 360
taggagggga aaaaatgatt tcttttaaca atgtaagtaa agtatatgaa acaggtgggc 420
aatctgttca tgcggtggag gatgtaacat tatcagttga gaaaggcgaa atttttggca 480
ttatcg 486

```

&lt;210&gt; 202

&lt;211&gt; 486

&lt;212&gt; DNA

<213> *Bacillus cereus*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-304

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 202

```

caaacaattc ttatgttgag nnaaagtgga ggganncgga nnnnccctat gaaacttnnc 60
ggcaacctcg tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatgagnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn acgaaagggtg ccaaatncct gnnnnnnncag gtgnnnnnnn 180
nnaagaaan nnnnnnnnnn cacctgaaag ataagagcgg ttcaattagt caagaagnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc tactcttatn nnnnnnnnnt tcnnnnnnnn 300
nnnnataaga gtagcttttt ttatggctaa aggttaaagg gggaaatagg agtggagtat 360
ggtttttggg tgccgatttt tgggggatgg cttcggaatg taaatgatga atctatgccg 420
cctacgtttg agtatgcaaa acaaacggcg caagcggcag aacaattagg tttttcaaca 480
acactt 486

```

&lt;210&gt; 203

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus cereus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-308

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 203

```

aatacaaagc ttatcaagag annnagcgga gggaaactgg nnnnccccgc gaagctnnnc 60
ggcaacctgc tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatagann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aagcaagggtg ctaaataacca gnnnnnnncaa aatggnnnnn 180
nnnnnaatnn nnnnnnnncc attttgaaag ataaggtaaa atatattacc gaacagnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc tttcnnnnnn nnnnnnnnga aatgnnnnnn 300
nnnnnnnnng aaagattttt ttatgaata aaaagggggg ctgttcgcgt gagcgtagcg 360
gaacattttg aggaagtatc tgagaaaatt gaagcgatgc ttgctgatat gaaatatggg 420
tcaattacaa ttgttgtgca agatggcaaa gtcattcaat tagagaaaag tgaaaaagta 480
cgttta 486

```

&lt;210&gt; 204

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus cereus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-305

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 204

```

tgaaaccttc ttataaagag nnnaggcgga gggannctgg nnnnccctac gatgcctnnc 60
ggcagcggac tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngatttcann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gaggctgtg ccaaatacca gnnnnnnncaa gcnnnnnnnn 180
nnnnnatatnn nnnnnnnnnn ngcttgaaag atgagaagag cgtttcttat agatgtataa 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnga cctcttctnn nnnnnnnnnnc gatnnnnnnn 300
nnnnnggaag aggtcttttg ttattcatta gaaaaagggt gaaactaggg agagatggta 360
ctttgaaaga aacgagagga aatggtttgg cattattacc acttgggata tttttggcgc 420
tatttattgg ttctggaatt attacagggtg atttctataa attgccgata cttgtagcaa 480
tttcaa 486

```

<210> 205  
 <211> 486  
 <212> DNA  
 <213> Bacillus cereus

<220>  
 <221> misc\_feature  
 <222> 21-306  
 <223> n = g, a, c or t/u

<400> 205  
 aaattaatac ttatccagag nnnaggtgga ggggaanncg nnnnccctat gaaacctnnc 60  
 agcaacccct atannnnnnn nnnnnnnnnn nnnnnnnnnn nntatattnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnta taggaaggtg ctaattncg nnnnnnnncag agaacacnnn 180  
 nnnnngatnn nnnnnngtgt tttttggaag ataagaggat tcttgaacgt gaaagaaaan 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnntg acctctnnn nnnnnnnnna tgtnnnnnnn 300  
 nnnnnnaaga ggtcattttt tgttgatatg aaagggagtg tcgatgcata attcattttc 360  
 aaaataaata tagagtaata aaagttgact attaagaggg gagaattgta atgaataaat 420  
 tatcaacaaa attagtagtg gcaatcggaa ttggagcagc attatacggg atattaggac 480  
 tttggg 486

<210> 206  
 <211> 486  
 <212> DNA  
 <213> Bacillus cereus

<220>  
 <221> misc\_feature  
 <222> 21-304  
 <223> n = g, a, c or t/u

<400> 206  
 atgaaaattc ttatcacgag nnnaggtgga gggannctgg nnnnccctat gataacctnnc 60  
 ggcagcggat tcgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttannn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnt gaatactgtg ccaattncga gnnnnnnncaa gnnnnnnnnn 180  
 nnnngtaann nnnnnnnnnn nncctgaaag ataagaaaga agctcatttt gactgtatat 240  
 gcagaannnn nnnnnnnnnn nnnnnnnngc ctcttctan nnnnnnnnt cttnnnnnnn 300  
 nnnntagaaa gaggttttt tatgtgaaaa tataaggggg aagaaaaatg ggagcgacag 360  
 gagtaacgtc acaaagaaaa acaattgaag agagtattga aagaaataag gaaaagtaca 420  
 tagaaacaag tcacgatatt catgcgaatc cggagattgg taaccaagag ttttacgcat 480  
 caagaa 486

<210> 207  
 <211> 486  
 <212> DNA  
 <213> Bacillus cereus

<220>  
 <221> misc\_feature  
 <222> 21-305  
 <223> n = g, a, c or t/u

<400> 207  
 attagttttc ttattaagag nnnagatgga gggannctgg nnnncccgat gaaatctnnc 60  
 agcaacaggc tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnataaann nnnnnnnnnn 120

```

nnnnnnnnnn nnnnnnnnnn nagtactgtg ctaagtncca gnnnnnncaa acgtnnnnnn 180
nnnnnatgaan nnnnnnnnnng cgtttggaag atgaggggaa atggattaac attcaannnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct cttcttatnn nnnnnnnnna tgtnnnnnnn 300
nnnnngtaag aagagttttt tatttagaga ggggggatag agtgaagttt gatgtaacgt 360
atTTTTtaga aagttttccg caattattta agtatgtata cataacttta ggaattactg 420
tagtttcaat gattatttct tttgttatag ggatagggtt ggcgatcata acgaaaaaca 480
aaacga 486

```

```

<210> 208
<211> 486
<212> DNA
<213> Bacillus cereus

```

```

<220>
<221> misc_feature
<222> 22-308
<223> n = g, a, c or t/u

```

```

<400> 208
gaatattttc ttatccagag annnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
agcaaccgcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnngcagggtg ctaattncca gnnnnnnncag aacannnnnn 180
nnnnntattnn nnnnnnnnnnt gttctgggag ataagacgaa gatataatcg taannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tctcnnnnnn nnnnnnnnnnt tctcnnnnnn 300
nnnnnnnnng agaggttttt ttattgcaaa aaaaccgatt acgaaaattt atattaagaa 360
gaaagggggt ggcattact gtgacactcg aaaaatacgt caaactgcgt agtacagttt 420
atgaatatat gatagagcaa gataagccaa tatcattgtt agatattcaa gaacatatcg 480
tttcgc 486

```

```

<210> 209
<211> 486
<212> DNA
<213> Bacillus cereus

```

```

<220>
<221> misc_feature
<222> 23-309
<223> n = g, a, c or t/u

```

```

<400> 209
taaatacttc ttatcaagag cannggtgga ggganncgag nnnncccgac gaaaccnnnc 60
ggcaaccgat ctacnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaattnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt agacacgggtg ctaattnctc gnnnnnnncag cnnnnnnnnn 180
nnnnnattacn nnnnnnnnnn nngctgacag ataaggagct ggttgtaaaa aaannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctcnnnnnn nnnnnnnnct tagctnnnnn 300
nnnnnnnnng agaggttttt ttatttaact aggaggttat aacaatgagc ggaattatag 360
cgacatattt aatccatgat gattcacata acttagaaaa aaaagctgag caaattgcac 420
tcggtttaac aattggctct tggactcatt tgccacattt attgcaagaa caattaaagc 480
agcata 486

```

```

<210> 210
<211> 486
<212> DNA
<213> Bacillus cereus

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-304

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 210

```

agacaaactc ttattgagag cnnnggtgga gggannaagg nnnnccctgt gaaaccnnnc 60
ggcaaccttc aaacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngaatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngtt tgaaacgggtg ctaatancct gnnnnnnncaa aacnnnnnnn 180
nnnngaattnn nnnnnnnnnn gttttgcata ataagaggag gatcgattat gttnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ccctcttcac nnnnnnnnnn aagnnnnnnn 300
nnnntgaaga ggggggttttt atattgatag aaatgaggga gatttgtgaa attactagat 360
ttattatcaa aaggaattgt aataggtgat ggtgcggttg ggacgttatt acattcacat 420
ggtttacaaa gtagttttga agaattgaat atatctgac cagatttaat tatatcgatt 480
cataag                                           486

```

&lt;210&gt; 211

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus cereus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-308

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 211

```

acgaacattc ttatctagag nnnaggtaga gggannctgg nnnnccctat gacgcctnnc 60
agcaaccatt aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt taataagggtg ctaattnecc gnnnnnnncaa attnnnnnnn 180
nnngtgaaan nnnnnnnnnn gatttgacag atgagaagaa gactctattc aaaccgaaan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cttctnnnnn nnnnnnnnnt cttnnnnnnn 300
nnnnnnnnnag aaggcttttt tattttatat tcaactaatg gttcaattta aaaaggaggga 360
attttcacat gtcaactatc gaaacaaaat tagcgcaaat cggaaaaccgg agtgaaacta 420
caacaggaac tgtaaatcca cctgtttatt tttcaactgc ttatcgtcac gaaggaattg 480
gtaaat                                           486

```

&lt;210&gt; 212

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus cereus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-306

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 212

```

tatacaactc ttatcaagag cannggtgga gggatnttgg nnnncccgat gaagccnnnc 60
agcaaccgac cnnnnnnnnn nnnnnngtaa taccattgtg aaatggggcg tttatttacg 120
ccaaaannnn nnnnnnnnnn nggcacgggtg ctaattnecc gnnnnnnncag aaagttnnnn 180
nnnnnaaann nnnnnnnnac tttctggcag ataagagggg agaagataaa cttcaaannn 240
nnnnnnnnnn nnnnnnnncc tctttctnnn nnnnnnnnnt agtnnnnnnn 300
nnnnnnggaa agagggtttt ctacgtcaga aaaacctctg aatataaaaa agggggagaa 360

```

gacgatggga tattatgcat taactgaaac aacagctata caatatgcga aagaacacgg 420  
 ttattttgaa aagaaagcaa atgtattttg tcatgaaatt ggagatggaa atttaaatta 480  
 cgtgtt 486

<210> 213  
 <211> 486  
 <212> DNA  
 <213> Bacillus cereus

<220>  
 <221> misc\_feature  
 <222> 23-307  
 <223> n = g, a, c or t/u

<400> 213  
 ggatactctc ttatcccgag ctnnnggcgga gggannncagg nnnncccgat gaagccnnnc 60  
 agcaacctca cttgtnnnnn nnnnnnnnnn nnnnnnnnnn attggtaaac nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnacaag tgaatagggt ctaaaancct gnnntgncga ggctnnnnnn 180  
 nnnnnnacann nnnnnnnnnng gtctcgaacg ataagagcga agggcaaaaa gcagtatgca 240  
 agtagcaaat taaannnnnn nnnnnnnncc tttcctnnnn nnnnnnctct attatgtnnn 300  
 nnnnnnnnagg aaagggtttt ctgtatgctt gtgtgggaga ataaatgtat gtcgcaatct 360  
 gtggcaaat aaggatgagt tccgtacaat atatacaatt actgtaggga ggtttaccac 420  
 atgacaaaaa aacgtcatct gttcacatct gagtctgtaa ctgaaggaca tccagataaa 480  
 atttgt 486

<210> 214  
 <211> 486  
 <212> DNA  
 <213> Bacillus cereus

<220>  
 <221> misc\_feature  
 <222> 22-304  
 <223> n = g, a, c or t/u

<400> 214  
 ctgatttctc ttatcaagag annnggtgga gggacntgtg nnnnccctgt gaagccnnnc 60  
 ggcaaccgtc aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttatnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnngt tgaaatgggt ccaattncct gnnnnnncaa agcnnnnnnn 180  
 nnnnaaatnn nnnnnnnnnn gctttgagag atgagagaga gggataatgt tggtatatac 240  
 gcacataaan nnnnnnnnnn nnnnnnnncc tttctgctn nnnnnnnnnn tctannnnnn 300  
 nnnnaggcag aaagggtttt ttgttggttg aatgtggagg acattcaaat aataaaaagta 360  
 gtgataacgg tggactacac gcattaaaca taaaaaattg cggagtcgat ccaaaacaaa 420  
 aagggtgat acaccatgat tctattagag aatgtaaaga aaatatataa agcaaaaagc 480  
 ggtgat 486

<210> 215  
 <211> 486  
 <212> DNA  
 <213> Bacillus cereus

<220>  
 <221> misc\_feature  
 <222> 22-301  
 <223> n = g, a, c or t/u



&lt;400&gt; 215

```

ttgcatagtc ttatcaagaa annaggtgga ggganncagg nnnncccgat gaaacctnnt 60
ggcaacagcc gtnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnatannn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnna cggaattgtg ccaaatncct gnnnnnnncag gnnnnnnnnnn 180
nntaataaac nnnnnnnnnnn nncctgagag ataagaaaga gccttttagag cgtgttttca 240
aannnnnnnn nnnnnnnnnnn nnnnnnnnct gctcctttct tgnnnnnnnnt tttnnnnnnnn 300
ncaggaaaagg ggcagttttt tattttgtat aaaagaaaagg agaataagag atggggagaat 360
catgggggaa aggaacaatt tgcgtgcaag gtggctatac gccaaaagaat ggtgaaccgc 420
gtgtttttacc gctttatcaa agtacaacgt ataaatacga tacttcggat gatttagcag 480
ccttat
486

```

&lt;210&gt; 216

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus cereus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 21-304

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 216

```

tttactcatt gtatcaagag nnnaggtgga gggannctgg nnnncccttt gaaacctnnc 60
ggcagcaggt tcannnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntttttnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnt gaatactgtg ccacttncct gnnnnnnncaa gctnnnnnnnn 180
nnnnnttatnn nnnnnnnnnnn agcttgaaaag atagaatgag ggacttcggt tatatacggg 240
tgcataactt gtacgtaaaa annnnnnnntc cctctttcnn nnnnnnnntc aatatnnnnnn 300
nnnnghaaaag agggattttt tatttttcat ttccctcatc atcatccaaa cttaattatt 360
taggaggaaa atcaaatgaa aaaaaagttt gtaccgggta ttgcatcagt tgtaggagta 420
agtattttat taactgggtg cggtagttat aaaaacgaag caagcggagc aaatgcaaaa 480
gacgag
486

```

&lt;210&gt; 217

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Bacillus cereus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 22-306

&lt;223&gt; n = g, a, c or t/u

&lt;400&gt; 217

```

acacatactc ttatcaagag tnnnggcgga gggannctgg nnnncccgat gatgccnnnc 60
ggcaaccgag cttatatnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnacgnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnntata agctaagggt ctaattncct gnnnnnnncaa aacgannnnn 180
nnnngttcnn nnnnnnnntc gttttggaag ataagagagg aatctatttt gtctattcgn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnngc acctctcnnn nnnnnnnntta tttttnnnnn 300
nnnnnnngaga ggtgcttttt attttggaac gtatatttaa gggggaatta tagatgaaga 360
aagtattatt aagcattgta agtggggctg tattattatt aagcgcatgt agcgggagtt 420
cagataaaga agtaaaagcg ttagatgaga aaaagattac tgtcgggtga acaggagggc 480
ctcatg
486

```

<210> 218  
 <211> 486  
 <212> DNA  
 <213> *Bacillus cereus*

<220>  
 <221> misc\_feature  
 <222> 21-303  
 <223> n = g, a, c or t/u

```
<400> 218
agcaatttac ttatccagag nnnaggtaga gggannctgg nnnnccctat gacacctnnc 60
agcagcgggt tctnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nngtaatann nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnng gaacaccgtg ctaattacca gnnnnnnncaa gnnnnnnnnnn 180
nnnncaagtn nnnnnnnnnnn nncttgaaag ataagtgatg ggcctttgtt tattaannnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnngc cttgatctta nnnnnnnnnnt ttttnnnnnn 300
nnntaagatc aaggcttttt gtattctaaa aagagaaaag ggagtaatgg aaaaagtacg 360
ttcataaaac taagtaaata tatgtgttta ggggggttatt ggagtgtatg taattaaata 420
attatcagtt atggtgttca cgctatgggt tattacgacg gtgacatttc taattatgca 480
tattat 486
```

<210> 219  
 <211> 505  
 <212> RNA  
 <213> *Agrobacterium tumefaciens*

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

```
<400> 219
uacuaauaugu gguguucaag guuncuuccg auucnnnnnnn nnnnnnngcua nnnnnnnnnnn 60
nnngggguugg gagcunnaag acgggaaunu cggugcguaa cgccnnnauc acnnnnnggcg 120
gagcaaggcc gaaacugccc ccgcaacugu gangcggnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn cgagcaucgu uccgauuugn nnnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnag ccacuggagc 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnncaa aannnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnngcu ccgggaaggc uggaauagau guugugacnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnccgcnaa agucaggaga 480
ccugccuuga gcgcaaaugu ccacg 505
```

<210> 220  
 <211> 505  
 <212> RNA  
 <213> *Agrobacterium tumefaciens*

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

```
<400> 220
ccuuauguga gaaagcgacg gunnuccuac agccnnnnnnn nnnnnnngaaa nnnnnnnnnnn 60
nnnggcgaag ggauunnaau angggaacna uggugcgggc gannnnnnucu uuunnnnnnuc 120
```

```

guccaaugcc uuggcugccc ccgcaacugu aangcggauu nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnngu uguucauccc agugacgcuu gaaggcguca 240
unnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuguuuu 300
unnnnnnnnn nnnnnnnnnn nnnnnnnnuu cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnngaau gcgggaaggc nagaugaggg acgcannnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aaucggunng agccaggaga 480
ccugccguca aaauggaaac caucg 505

```

```

<210> 221
<211> 505
<212> RNA
<213> Agrobacterium tumefaciens

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 221
cggauaaca guccgugaug guuncuucc gggnnnnnnn nnnnnncgun nnnnnnnnnn 60
nnnnuuccgga aggugnaaaa angggaacna cgauagggan nnnnnnnnca aannnnnnnn 120
nuccucauuc guggcugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nagagccuga aacgaaaugc cacuggcaan nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccaucucnnn 300
nnnnnnnnnn nnnnnnnnnn nnnngccucc aucaannnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn gggggaaggc aaugccggga agguguuuga gguuuugacn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunna agccaggaga 480
ccugccauga cggaaauauc caugc 505

```

```

<210> 222
<211> 505
<212> RNA
<213> Agrobacterium tumefaciens

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 222
gacauugguu agccaucgug guuncugcgg acnnnnnnnn nnnnnngaag nnnnnnnnnn 60
nnnnnguccg gaggcunnaag angggaauu cggugagggc unnnnnuuua ucacnnnnna 120
gccugaaucc gaagcugccc ccgcaacugu aangcgnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnacgagc gaaaguccau caunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacugagg 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ggnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnncc ucgggaagac nnggaccaa gcuaugaccn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgcnaa agccaggaga 480
ccugccgcga uagauaacgu ccacg 505

```

```

<210> 223
<211> 505
<212> RNA
<213> Agrobacterium tumefaciens

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 223

```

cccauagcuu cuccggucag gugnccegcc nnnnnnnnnn nnnnnncuug cnnnnnnnnn 60
nnnnnnnnggc gggagnnaau cngggaaunc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaagacc ggaacgugnc ccaacgcugu aanggcnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnngaug cucuuuuucu caunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugaann 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnng caannnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnu ucgggaaggc nngaaagggg cggaugaann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcunnu agucagaaga 480
cgggccuggc aggauagacc gaacc                                     505

```

&lt;210&gt; 224

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Agrobacterium tumefaciens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 224

```

cuaaggguaa gggacugacg gunncuuuuc ccgrnnnnnn nnnnnngcaa nnnnnnnnnn 60
nnnncgggaa aagcunnaag angggaacna cgguuccgcc cnnnnnnnca gaaannnnnn 120
gggucauucc guggcugccc ccgcaacugu aangcggunn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnaag cccgcaccgu aaannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugaacc 300
nnnnnnnnnn nnnnnnnnnn nnnnuuuuug aucnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnggu ucgggaaggc nnggugacag gguguugaua nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngccgcnaa agccaggaga 480
ccugccguuu caggaaaaag cgucu                                     505

```

&lt;210&gt; 225

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Bacillus halodurans

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 225

```

auuucaucgu uugggaacag gunnacguua agucnnnnnn nnnnacauga uannnnnnnn 60
nnngacuuaa uguuunnaaa angggaauuc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc ggagcggucc cngccacugu canuagcnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnugag uuguaacgau auunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ucacugaccg 300
nnnnnnnnnn nnnnnnnnnn nnnnnnuuca unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnugg uugggaagac nnuguugcaa uguugacnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcuann agccaggaga 480
ccugccguuu cuaacagcac ugcuu                                     505

```

<210> 226  
 <211> 505  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 226  
 uaguguuugu ggacgguaag gunngccnnn nnnnnnnnnn nnnnncgaag cnnnnnnnnn 60  
 nnnnnnnnnn ggcuunnaaa angggaaunc uggugcnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaaucc ggagcugucc ccgcaacugu gangugcunn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gaacggaacg auuunnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuguaca 300  
 uccucnnnnn nnnnnnnnnn nnnnuacuuc uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 ngagaaaugu augggaaggc nnuucuaagu agguaannnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagcacnng agucaggaga 480  
 ccugccuac uuccacaagu uucgc 505

<210> 227  
 <211> 505  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 227  
 uaagcacgcu caagcauag gunngguuca annnnnnnnn nnnnacaaucc ggnnnnnnnn 60  
 nnnnnnnuuga aucugnnaaa angggaagnc uggugannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaagucc agcacggunc gcgccacugu aauaaggnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnagc uacaugugag gaannnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacuguccn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngg augggaaggu nacacaugga gugugannnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucunna agucaggaga 480  
 ccugccuau guaugcacuu gcacc 505

<210> 228  
 <211> 505  
 <212> RNA  
 <213> Bacillus halodurans

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 228  
 aucguauauc gcgcugaagg gunncguuca annnnnnnnn nnnnnnnnugu nnnnnnnnnn 60

```

nnnnnnuuga gcgugnnaaa angggaagnu cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc gacacggunc ccgccacugu aanaugnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnggag aggcugcaa gannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnu ccacugucnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnua gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng acgggaaggg nggcaaguac ucgaugaann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncaunna agucaggaga 480
ccugccuuuc aguugagug uguag 505

```

```

<210> 229
<211> 505
<212> RNA
<213> Bacillus subtilis

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 229
cggauacgaa ugucaauag gunngccggu ccgunnnnnn nnnnnngaac annnnnnnnn 60
nnnnacagcc ggcuunnaaa angggaaanc cgguannnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaagcc ggugcggunc ccgccacugu aanuuggcnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnncaa gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngccaanng agccaggaga 480
ccugccuguu ugauacgac gaauu 505

```

```

<210> 230
<211> 505
<212> RNA
<213> Bradyrhizobium japonicum

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 230
cgauaaucca agucgucgag guuncuccgg uucnnnnnnn nnnnnnccau unnnnnnnnn 60
nnnngauccg gagcunnaag angggaagnc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnaaaugcc ggucugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnncgagcc gcuguccgac gaunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ucgcugaagc 300
cnnnnnnnnn nnnnnnnnnn nnnnnnnnug cacnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnngcu ucgggaaggc nncggacagc agcgaugann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccagcna agccaggaga 480
ccggccccga caauauaug gucca 505

```

```

<210> 231
<211> 505
<212> RNA
<213> Bradyrhizobium japonicum

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 231

```

caaaugggugg cccggcgguug guunccuguc nnnnnnnnnn nnnnnncuau nnnnnnnnnn 60
nnnnnnngac aggcgnnaag angggaaung cgauangggg cggaaucggc aangauuugg 120
guccaaaaaun gcagccgccc ccgcgaccgu gaccggaggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agaugcccga gnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugaucc 300
cnnnnnnnnn nnnnnnnnnn nnnnnnnnug acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggga ucgggaaggc nnggggaucg aaggggcaaaa ccugnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncuccgnca agccgggaga 480
ccugccagcg cggacgauuu uggac 505

```

&lt;210&gt; 232

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Bradyrhizobium japonicum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 232

```

gggcacacag gacgggcaug gunngcucga gguggcgcnn nnnnnnnaaa nnnnnnnnnn 60
nnngcgccgg agcaunnaau cngggaaung gggauunggg ggacccnagu ugcnnnnnggc 120
gccccaaacc ccagccgccc ccgcgacugu aangcggunn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnngag gggcuccgaa ccnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugggcc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnng caannnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggu ccgggaaggc nncggagaac ccagugann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaccgcng agccaggaga 480
ccggccgugc auguuuugag gccaa 505

```

&lt;210&gt; 233

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Bradyrhizobium japonicum

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 233

```

aauccuagau gcucgcgacg guunuccccc nnnnnnnnnn nnnnnngaga nnnnnnnnnn 60
nnnnnnnnng ggauugnnaaa angggaaung cggugcgggg annnnnnnnug uunnnnnnnnu 120
ccccaaugcc gcggcugccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnauaa cuucgucag aannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuggggn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnucc cggunnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnc ccgggaaggc nngacgaagu ggugacgacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcng agccaggaga 480
ccugccguca gccgugguca cacgc 505

```

<210> 234  
 <211> 505  
 <212> RNA  
 <213> Bradyrhizobium japonicum

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 234  
 ucguagauug aucggugacg gunnucuccn nnnnnnnnnn nnnnnngcac nnnnnnnnnn 60  
 nnnnnnnngg agaucnnaaa angggaacng uggugcgaga uugucccaau gccgggauug 120  
 ucccaacgcc acggcugccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnugaau cuuucgucan aunnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugggan 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnaucu cggnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnuc cugggaaggc nngacguaag guaacgacn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcng agccaggaga 480  
 ccugccguca gccgugguca cacgc 505

<210> 235  
 <211> 505  
 <212> RNA  
 <213> Brucella melitensis

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 235  
 aucgcaauuu ucaggagacg gunnucggcc nnnnnnnnnn nnnnnnauug cnnnnnnnnn 60  
 nnnnnnnnggc ggaugnnaaa angggaacna cggugaagcc nnnnnnnnau agnnnnnnnn 120  
 ggugaaaacc gagacugccc ccgcaacugu aanccggnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnagagc uauccuccac aggccgcgca agcggccaaa 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugaaag 300  
 cagcnnnnnnn nnnnnnnnnn nnnnnnnnaau aunnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnngcugcaa ucgggaaggc nnggaggcaa agcgaagacn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccggna agucaggaga 480  
 ccugccguau ccggucaccc augcu 505

<210> 236  
 <211> 505  
 <212> RNA  
 <213> Brucella melitensis

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 236  
 agugucaaac caugugacag gunnuugcc ggnnnnnnnn nnnnaacgaa uccnnnnnnn 60  
 nnnnccggca auaccnnaaa angggaauug cgacngacg gaccnnacg ccnnnnnggg 120



```

cgucuuuauac gcagccgacc ccgcgacugu agagcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnagagg gaagaggcaa gccgggcaac cggcannnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuggaaa 300
ucnnnnnnnnn nnnnnnnnnn nnnnnnnaga ugnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnngauuu cugggaaggc nngcuuuauu ccccaagacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcng agccaggaga 480
ccugccuguu gcaugagggc auugc 505

```

```

<210> 237
<211> 505
<212> RNA
<213> Brucella melitensis

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 237
gccguaauac cgucaugacg gunnucccg accgnnnnnn nnnnnnagag nnnnnnnnnn 60
nnnncgaagg ggauunnaau angggaacna cggugaggac gaccnnauc aannnnnnng 120
ggccgagacc guggcugccc ccgcaacugu aangcggann nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnuugc cguucauccu cgugacgccg aaagcgucan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugugcc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggc acgggaaggc nagauggacg gcgauuannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccgcna agccaggaga 480
ccugccgucu uacguagucc auugu 505

```

```

<210> 238
<211> 505
<212> RNA
<213> Brucella melitensis

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 238
uaccauaucu uguguucgag guuncuuucg auucnnnnnn nnnnnngacn nnnnnnnnnn 60
nnngagucgg gagcunnaag acgggaauuc cggugcgcuu gcccnnaug gunnnngggc 120
gggcaaugcc ggagcugccc ccgcaacugu aangcggcnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngagcu uugcgccccu unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuggcnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng ccgggaaggc nnggguggaa gcguugannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngccgunng agccaggaga 480
ccugccuuga gcgugaacgu ccacg 505

```

```

<210> 239
<211> 505
<212> RNA
<213> Caulobacter crescentus

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 239

```

ggucuguguc cguugucgug gunncugcgg acgnnnnnnnn nnnnnnuucg nnnnnnnnnn 60
nnnnncguccg gagcunnaag angggaaggu cggugnaggg nnnnnncgug aaannnnnnn 120
cccugaaucc ggcgcugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnncgagc cgcuguccgu uucgunnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ucacugacgc 300
gccgaannnnn nnnnnnnnnnn nnnnnnnngcu ggnnnnnnnnn nnnnnnnnnnn nnnnnnnnuu 360
cggggaugcg ucgggaaggc cagggcaggg gugacgacnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnccgunng agccaggaga 480
ccugccucga cagauaacgu ccucc                                     505

```

&lt;210&gt; 240

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Caulobacter crescentus*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 240

```

uagcucuagc uucgcgucag gunnuccucn nnnnnnnnnn nnnnnngaaa nnnnnnnnnn 60
nnnnnnnnnga ggaugnnaaa angggaacng agguugnannn nnnnnnnnnn nnnnnnnnnn 120
nnnnaagacc ucggcgucccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnncgagc uucgcgucac aunnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugggcc 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnncaa aannnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnggc cugggaaggc nngacgccca gaagcauuga cnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnccgunng agccaggaga 480
ccugcccggc gcagucguuc aucgc                                     505

```

&lt;210&gt; 241

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Chlorobium tepidum*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 241

```

auacucauc cgauuaugug gunngcccgc caugnnnnnn nnnnnngaaa nnnnnnnnnn 60
nnnncauacg ggcuunnaaa angggaauuc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnngagucc ggaacaguac ccgcugcugu aanuuccnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnggcug gccgcaaggc uggcgacaag guuugccgca caaunnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacuguccc 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnguu cannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnggg augggaaggc nncggcagaa uccnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnggganna agucagaaga 480
ccugcccau auuuuuuggc uucgg                                     505

```

<210> 242  
 <211> 505  
 <212> RNA  
 <213> Chlorobium tepidum

<220>  
 <221> misc\_feature  
 <222> 24-462  
 <223> n = g, a, c or u

<400> 242  
 guucuuucuc gccaugacag gugnccgguu nnnnnnnnnn nnnnnnuaaa nnnnnnnnnn 60  
 nnnnnnnnagc cggagnnaau angggaaggu acgugannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnngauucg uacacuguc cgcgaacugu acaacggunn nnnnnnuaac cgccgggcaa 180  
 auuccguggc cacacggaug cgcaaggcgg gcuuucagnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ucacugccgg 300  
 uuuuccnnnn nnnnnnnnnn nnnnnnnnuc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnggaaaacu gcgggaaggu nnuuggaggg gcucgaunnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngccgugaa agucaggaga 480  
 ccugccaguc augcauuugc accaa 505

<210> 243  
 <211> 505  
 <212> RNA  
 <213> Chlorobium tepidum

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 243  
 caauaaauaa uucaguuacg gunnuuccgg ugcccnnnnn nnnnnnggug nnnnnnnnnn 60  
 nngggcgccg gaaugnnaaa angggaacnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaaucg gggacagugc cgcugcugu ganuccucnn nnnnnnnnnn nnnnnnnnnn 180  
 nccgucggcc acaaucgggu cgcgcgacga ucgcuuccga ugannnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg ccacugguuc 300  
 gcnnnnnnnn nnnnnnnnnn nnnnnngccc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnngcgaa ccgggaaggg cnggaagcga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngggganng agucagaaga 480  
 ccugccguaa ugcaguaaaau gcucc 505

<210> 244  
 <211> 505  
 <212> RNA  
 <213> Chlorobium tepidum

<220>  
 <221> misc\_feature  
 <222> 24-468  
 <223> n = g, a, c or u

<400> 244  
 ugaguucuuu cagcauuacg gugnccggau nnnnnnnnnn nnnnnngaaa gnnnnnnnnn 60  
 nnnnnnaugc cggaunnaau angggaaggu gcgugunnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnngaauuc cacacugugc cgcgaacugu aangauggun nnnnaugucg cgcgacgaca 180

```

ggagcagcuc ugcuuuugug gccguugcgg aucgggugua unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuccgcc 300
aaccucugnn nnnnnnnnnn nnnnnnauaa cnnnnnnnnn nnnnnnnnnn nnnnnnnnca 360
cggggaauugc gggggaaggn ncugcccgga ggaaaacguc gaaguaauuu cgcannnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngccaucnga agucaggaga 480
ccugccguag ugguuggcgc cgaau 505

```

```

<210> 245
<211> 505
<212> RNA
<213> Chlorobium tepidum

```

```

<220>
<221> misc_feature
<222> 24-468
<223> n = g, a, c or u

```

```

<400> 245
guucuuucuc gccaugacag gugnccgguu nnnnnnnnnn nnnnnnuaaa nnnnnnnnnn 60
nnnnnnnagc cggagnnaau angggaagnu acgugannnn nnnnnnnnnn nnnnnnnnnn 120
nnngauucg uacacuguac ccgcaacugu acaacggnnn nnnnnnaaaa cugccgcugg 180
cagguauggc cacaugccuc aaagccgcag ccggugcacn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacugccag 300
gcuccnnnnn nnnnnnnnnn nnnnnnnnuc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnggagcgg gcgggaaggc nnugcaucgn nnnnauucaa gnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunaa agucaggaga 480
ccugccgauu acucuuugcu cggaa 505

```

```

<210> 246
<211> 505
<212> RNA
<213> Clostridium acetobutylicum

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 246
auugcuacua aaauuuguag gunnucaacu gagnnnnnnn nnnnnngagu nnnnnnnnnn 60
nnnncuuagu ugauunnaaa anaggaaunc aggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaagcc ugagcggunc ccgccacugu aauaaagggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnagu uuaaguacaa uaunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacuggnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn cugggaaggc nguacuuaa gcaaugannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuuuuunng agccaggaua 480
cuugccauau ucuaguaugu uuuuu 505

```

```

<210> 247
<211> 505
<212> RNA
<213> Clostridium acetobutylicum

```

&lt;220&gt;

&lt;221&gt; misc\_binding

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 247

```

gaaauaauac cauauuuuag gcnnaccuan nnnnnnnnnn nnnnnnaucu nnnnnnnnnn 60
nnnnnnnnnua gguuunnaau angggaaanu uggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaaucc aaugcaacc cccguuacugu aunacaguun nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnna caaaaccaau gnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnu ccacuggagn 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnuu unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnncu cugggaagga nnugguugag gcuaannnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn naacugunng agccaggaga 480
ccuaccuaaa auauuauuga acuuc 505

```

&lt;210&gt; 248

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Clostridium perfringens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 248

```

aaauaaaauu uuagaaauag gunnuaaaau guuacnnnnn nnnnnnauuu nnnnnnnnnn 60
nnguaacuau auauunnaaa angggaaguu ggguuunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaaucc cacgcggunc ccgccgcugu aanuagnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnaggag cuuuuuguac uuuaannnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacuggaau 300
annnnnnnnnn nnnnnnnnnnn nnnnnnnnnua annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnuauu uugggaaggc ncacaaaaag ugaugauann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnncuunng agccagaaga 480
ccugccuauu uuuaaaacau caaga 505

```

&lt;210&gt; 249

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Clostridium perfringens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 249

```

aguugauuaa cuaauaaug gunngugnnn nnnnnnnnnn nnnnnnauuu unnnnnnnnn 60
nnnnnnnnnnn cgcunnaau angggaauug aaguannnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaagucu ucaacuaccu caguaaccgu gaagcnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnagac aaaaucucaa uaunnnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ucacugcaun 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnuu unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngu gugggaagac nngagaugga ggaagaannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnngcnaa agucgggaa 480
ccugccuuuu auuaaaguac uauua 505

```

<210> 250  
 <211> 505  
 <212> RNA  
 <213> Clostridium perfringens

<220>  
 <221> misc\_feature  
 <222> 23-468  
 <223> n = g, a, c or u

<400> 250  
 auauuuuuu auauuuuuag gunnuugnnn nnnnnnnnnn nnnnnnauuu nnnnnnnnnn 60  
 nnnnnnnnnn uauuunnaaa angggaaang uggguannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaagucc acuacagccc ccgcuacugu gauaggnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnauac aaguuuucua uugannnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugauun 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnaua uannnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnaa uugggaaggn ngagaaauga ggauaagnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccunua agucaggaua 480  
 ccugccuaaa gaucaugaac uaagc 505

<210> 251  
 <211> 505  
 <212> RNA  
 <213> Clostridium perfringens

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 251  
 aaauaaaaua agagcauuag gunnguunnn nnnnnnnnnn nnnnnnuagu nnnnnnnnnn 60  
 nnnnnnnnnn aacuunnaau angggaaang uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaanna acugcagccc ccgcuacugu ugnauaagnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnngac gagaauaaaa agnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugugau 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa uannnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnguc auggaaaggn nauuguuuua ggaugannnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuuuauunnu agccaggaga 480  
 ccugccuagu augcuauucu uauug 505

<210> 252  
 <211> 505  
 <212> RNA  
 <213> Escherichia coli

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 252  
 ccuguagcau ccacuugccg gucnunnnn nnnnnnnnnn nnnnnnngug nnnnnnnnnn 60  
 nnnnnnnnnn naguunnaau angggaaunc cagugcnnnn nnnnnnnnnn nnnnnnnnnn 120

```

nnnngaau cu ggagcuganc ggcgcagcggu aanggan nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaaggu gcgaugauug cguaugcgn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng acacugccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnauu cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gugggaaguc nnaucaucuc uuaguaucuu agauaccccn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucnna agcccgaaga 480
ccugccggcc aacgucgcau cuggu 505

```

&lt;210&gt; 253

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Fusobacterium nucleatum*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 253

```

uuuaaua uca ugucaauuau guunc cuuan nnnnnnnnnn nnnnnnnuuu unnnnnnnnn 60
nnnnnnnnua aggcunnaag angggaaunu uggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngauacc aaaacgagnc ccgucgcugu aaugannnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnng uuuuucugu uuuannnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnua ccacuggaun 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuuu unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnau uugggaaggu anaagaaaua uaaannnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucanua agucagaaga 480
ccugcauau ugaauuacuc uaucu 505

```

&lt;210&gt; 254

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Leptospira interrogans*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 254

```

aucuuggaac ggaaaacuug uuunauunnn nnnnnnnnnn nnnnnncucgu nnnnnnnnnn 60
nnnnnnnnnn gauganngga angggaaunc cgguucnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaaucc ggagcugaac ccgcagcugu aanucgccga nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaugag auuucgcaau caunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugcgun 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuaaa unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnac gcgggaaggc nnugcgaaan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ucggcganna agccagaaga 480
ccuaacaagu aaaaaaaca acuaa 505

```

&lt;210&gt; 255

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Listeria monocytogenes*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 255

```

guuaaaauagg ucuauguug gunnggaaug unnnnnnnnn nnnnnnaugu nnnnnnnnnn 60
nnnnnnnnaca uuucugnaaa gnaggaaunu cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaugcc gaaacugccc ccgcaacugu aanggunnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnggacaa gaaucgagau nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa ccacuguacg 300
unnnnnnnnn nnnnnnnnnn nnnnnnnuuu annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnngcgu augggaaggu uncgauuguu ggaugaannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngccnaa agucaggaua 480
cucgccaaau aagacggaag caacu 505

```

&lt;210&gt; 256

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Mesorhizobium loti

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 256

```

cuauagucau gcagucgucg gunnuccnnn nnnnnnnnnn nnnnnnguui unnnnnnnnn 60
nnnnnnnnnn ggagccnaag angggaaung cggugcgggc gannnnnaau ucnnnnnnuu 120
gcccaaugcc guggcugccc ccgcaacugu gungcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnuag uccucuccau aunnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugaaga 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuuc gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnucu ucgggaaggu nnggggaagg gcgcugaunn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480
ccugccgacg acggcaaaac ugaca 505

```

&lt;210&gt; 257

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Mesorhizobium loti

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 257

```

gccuaaaucc gcuccagacg gunncccuug ccnnnnnnnn nnnnnncgcaa cnnnnnnnnn 60
nnnnnnnggca ggggcunaag angggaaung cggugcggga unnnnnnnuu cgnnnnnnna 120
ucucaaaucc gcggcugucc ccgcaacugu aangcgnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnaagagc caaggccgaa agnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuggggn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnacg uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnc ccgggaaggn nncggcacc aaggcgaua ccnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgcnn agccaggaga 480
ccugccgucu gcgacaaaag aaucc 505

```



<210> 258  
 <211> 505  
 <212> RNA  
 <213> Mesorhizobium loti

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 258  
 auuagaucau gucaucucag gugnccgcuu cgunnnnnnn nnnnnngacg nnnnnnnnnn 60  
 nnnnacgggg cggagnnaau ungggaagnc cggucannnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaagucc ggcgcugccc ccgcaacggu ggnuggagnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnucaa gucgcaacgg gagnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacugggcn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnaaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngc cugggaaggu nngucgcgac cguccgcaag gacannnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncuccanng agcccggaaa 480  
 ccagcccag auuuuugaac ucgac 505

<210> 259  
 <211> 505  
 <212> RNA  
 <213> Mesorhizobium loti

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 259  
 gugauugugc gcaugucgug guuncuccgc gcggcnnnnn nnnnnnnacu nnnnnnnnnn 60  
 ngccguagcg gagcunnaag angggaagnc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnngaugcc ggcgcugccc ccgcaacugu uangcggnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnncgag ccaagcccau uggunnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ucacugaggc 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngc ucgggaagac nngggcagag gcuuugacnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcnng agccaggaga 480  
 ccugccacga cgaacaacgu ccacg 505

<210> 260  
 <211> 505  
 <212> RNA  
 <213> Mesorhizobium loti

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 260  
 aaggucgccc ccacugccug gugncecgen nnnnnnnnnn nnnnnncgca annnnnnnnn 60  
 nnnnnnnngc gggagnnaau cngggaacna cggugnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaacucc guggcgugnc ccaacgcugu aanggggnnn nnnnnnnnnn nnnnnnnnnn 180

```

nnnnnnnnnnn nnnnnnnnnnn nnnnnngacc ggcgcgguaa aunnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugucnn 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnga unnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnnnng acgggaaggc nnaccggacg cggguugann nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnucccnng agccagaaga 480
ccggccuggc aggcaucguc auccg 505

```

```

<210> 261
<211> 505
<212> RNA
<213> Mesorhizobium loti

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 261
ucuacggugg gugcgugaug gunnccccgc gccnnnnnnnn nnnnnngaaa nnnnnnnnnnn 60
nnnnnggcaag gggugnnaaa angggaacna cggugagacc unnnnnnnnca aannnnnnna 120
ggucgagacc guggcugccc ccgcaacugu aangcggnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnagag caagaucgca cannnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnug ccacuggccn 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng caannnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngg cugggaaggc anggauugcg cugagacnnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnccgcnnng agccaggaga 480
ccugccauca cugaguugac cggac 505

```

```

<210> 262
<211> 505
<212> RNA
<213> Mycobacterium leprae

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 262
ccacacggcg ccaguaucga gunngaugcu nnnnnnnnnnn nnnnnnnagcu cnnnnnnnnnn 60
nnnnnnnnagc aucgcnnag angggaacnc cggugannnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnnngaaucc gggacugunc ccgcagcggg aungcaggnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnaacg accgccgucu ggaannnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn gcacuggucu 300
uagannnnnnn nnnnnnnnnnn nnnnnnnnaa aannnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnuccgaga cugggaagcn ngauggccau uagaagcacc uauccagugc gcgnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnccugcnng aguccgaaga 480
ccugccggcu gugucgggcg cgccg 505

```

```

<210> 263
<211> 505
<212> RNA
<213> Mycobacterium tuberculosis

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 263

```

cuucccguca ggcgauagacg aunnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn gcaggaagnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggcgcgugunc ccgccacugu canccgggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnngag cgaccucgu aannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacggccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnac annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gcuggaaggc nngaggcaag caacgannnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccggng agccaggaga 480
cucgcgucau cgcguccugc caccc 505

```

&lt;210&gt; 264

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Mycobacterium tuberculosis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 264

```

nnnnnuugac cacgcagcug gucnugcugg cguccgaaag ggcgucggca ucgagcgggg 60
caacgaugcu ugcgnngag angggaacnc uggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc gggacugunc ccgcagcggg aungcagggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaacga ccgccgucuu ggaaguagac aannnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacuggucn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuca acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng cugggaagcn nngacggcca guaggagcac ccaccgggug cgagnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccugcnng aguccgaaga 480
ccugccagcc gugccggacg cgccg 505

```

&lt;210&gt; 265

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Pseudomonas aeruginosa

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 265

```

agcugcgcg cuugcgacag gugnccccnn nnnnnnnnnn nnnnnngcaa nnnnnnnnnn 60
nnnnnnnnng gggugnaaaa cagggaagnc uggugcguuc cnnnnnnngu cnnnnnnng 120
gaaccaggcc agcgugccc ccgcaacggg agngcgannn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaucag acagccgcuc gaugannnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugugcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuc cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc augggaaggn ncgcggcugg aagcguccag cgcucgcnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnucgcng agcccgga 480
ccggccugac gcacccacgg caucg 505

```

<210> 266  
 <211> 505  
 <212> RNA  
 <213> Pseudomonas aeruginosa

<220>  
 <221> misc\_feature  
 <222> 23-469  
 <223> n = g, a, c or u

<400> 266  
 gcauaauagc gcguucgucg gunngcccgg cccuuucgcg nnnnnnuuag nnnnncgcg 60  
 ggccaacgag ggccgnaaag angggaacna cggagcgcg gucuunnnuu cgnaagccc 120  
 gggccuagcc guggcugccc ccgcaacugu aungcagccu gnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnua uucgcgccau ucnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuggnnn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnauu annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnnn ccgggaaggc nnggcgcgaa gcggagguuc cucccccggg uggaacgcnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc gggcugcnn agccaggaga 480  
 ccugccgcgc aaaccagucg cgagu 505

<210> 267  
 <211> 505  
 <212> RNA  
 <213> Pseudomonas aeruginosa

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 267  
 ucccauccgg ccgguuccag gugncuccu gcnnnnnnnn nnnnncgccc cnnnnnnnnn 60  
 nnnnngcagg aggugnnaaa cngggaagnc cggugcguca cnnnnnnnuu cgnnnnnnng 120  
 ugaucagucc ggcgugccc ccgcaacggu aangcgagnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncg aaauccucu cagnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugugcn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnuc cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngc augggaaggc nngaggauuu cacgaccnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccggaga 480  
 ccggccugca acgcccuguu ggcac 505

<210> 268  
 <211> 505  
 <212> RNA  
 <213> Pseudomonas aeruginosa

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 268  
 cguagccuug ccgguucgag guuncucgc cgnnnnnnnn nnnnnngcga nnnnnnnnnn 60  
 nnnnncggcg gggcunnaag angggaacng cggucgnnnn nnnnnnnnnn nnnnnnnnnn 120

```

nnnnnaugcc gcggcugccc ccgcaacugu ganacggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgau cguuccccaa unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugcggn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnug annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnc gcgggaaggc nnggggaacc ggcgagacg ccagannnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480
ccugccucgu cgaucgccug gcgcg 505

```

<210> 269

<211> 505

<212> RNA

<213> Pseudomonas putida

<220>

<221> misc\_feature

<222> 23-469

<223> n = g, a, c or u

<400> 269

```

gucuaccaug cgggcccgcg gunnuuccnn nnnnnnnnnn nnnnnnacca cnnnnnnnnn 60
nnnnnnnnng gaacunnaac angggaaunc ccannnggcc ugnnnnncca auannnnnca 120
ggccnnaauc ggaacugccc ccgcaacugu agngugcnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgag ccugcuccau cgaunnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugggcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnncugc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng ccgggaaggc nccggagccgg gccgugacnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcacnc agucaggaga 480
ccugccggcc uacauccacc aaccg 505

```

<210> 270

<211> 505

<212> RNA

<213> Pseudomonas putida

<220>

<221> misc\_feature

<222> 24-469

<223> n = g, a, c or u

<400> 270

```

cagaugcgcg ccaguucag gugncccgug gcnnnnnnnn nnnnncgcg cnnnnnnnnn 60
nnnnngcgca gggugnnaaa cngggaaanc cggugcgugc ugnnnnnuug cnnnnnnnca 120
cgacaagucc ggugcugccc ccgcaacggu aangcgagrn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnncg aaccuccuga gaunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnna ccacugugcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc augggaaggu nngaagguuu caugcccnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccgagga 480
ccggccugga gcuucacuug gcaac 505

```

<210> 271

<211> 505

<212> RNA

<213> Pseudomonas putida

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 271  
 uccuuaugcc ucgcguucag gugnccccnn nnnnnnnnnn nnnnnnucag nnnnnnnnnn 60  
 nnnnnnnnng gggugnnaaa cngggaaanc cggugcgucc caggcccuuc agcnagggcc 120  
 ggacaaugcc ggugcugccc ccgcaacggg aangcgagnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnu gaagcgucug unnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa ccacugugcc 300  
 nnnnnnnnnn nnnnnnnnnn nnnnucguag uacnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnggc augggaaggu nngacgcguu ccaggagccc agcucuucnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncuegcnaa agcccgagaga 480  
 ccggccuggc guucaugaac accccc 505

<210> 272  
 <211> 505  
 <212> RNA  
 <213> Pseudomonas putida

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 272  
 cguagccuug ccacuucgag guuncuucgg cnnnnnnnnn nnnnnncugn nnnnnnnnnn 60  
 nnnnnngccg aagcunnaag acgggaacng cgguaacnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnaagcc gcggcugccc ccgcaacugu aangcaccgn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnacaac ggaucgacac annnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugcgcn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnncaa cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngc gcggggaaggc nngucauccc gccagcccga acgggggacau ggaannnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncggugcnaa agccaggaga 480  
 ccugccucgu cacguuuucg acuuu 505

<210> 273  
 <211> 505  
 <212> RNA  
 <213> Ralstonia solanacearum

<220>  
 <221> misc\_feature  
 <222> 32-469  
 <223> n = g, a, c or u

<400> 273  
 guuacacucg ccgcguccug gugcccgag annnnnnnnn nnnnnngccg annnnnnnnn 60  
 nnnnnnucug caguunnaaa cnggggaagnc agggagcggc cgccnnncca aacnnnnngg 120  
 ugcgccaacc ugcgugccc ccgcaacggg aagcgaacgc cgucgaaggc cgcgcuaccu 180  
 cuggccagaa gagggcgcgg cgucgcgcag guccguccac aunnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacuguucn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncc gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

```

nnnnnnnnga acggaagggc nnggccggac ccgnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nguucgcnc agcccgga 480
ccggccagga caguggguuu cagag 505

```

```

<210> 274
<211> 505
<212> RNA
<213> Sinorhizobium meliloti

```

```

<220>
<221> misc_feature
<222> 24-469
<223> n = g, a, c or u

```

```

<400> 274
cuuagaugag gacacucaag gugncggccu cnnnnnnnnn nnnnnngaag nnnnnnnnnn 60
nnnnggaggg cggagnnaau ungggaagnc cggucanncn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaucce ggcgugccc ccgcaacggg ggnuggagcn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngaaca gccacggcag aagnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuggacn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnacc gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng ccggaagggc nngccgggcn nnnnaggucc cuugcgagcg nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngcuccanng agcccgga 480
ccagccuuga agcagaaaua gaccg 505

```

```

<210> 275
<211> 505
<212> RNA
<213> Sinorhizobium meliloti

```

```

<220>
<221> misc_feature
<222> 24-468
<223> n = g, a, c or u

```

```

<400> 275
uggccauaug ccgcccugac gugnccegc nnnnnnnnnn nnnnnngaaa unnnnnnnnn 60
nnnnnnnnngc gggggnaau cngggaagnc cggugcnncn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaguucc ggcacgugnc ccaacgcugu gaagggnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngacg uucucgcca aaagggcucu gaauuuuuc 240
agagcuuunn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugaaua 300
nnnnnnnnnn nnnnnnnnnn nnnnnnuuga agcnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnuau ucggaagggc nnggcgcgaa cggaugannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucnga agucagaaga 480
ccggccuggc gagauagacc ggccc 505

```

```

<210> 276
<211> 505
<212> RNA
<213> Sinorhizobium meliloti

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

&lt;400&gt; 276

```

uaauuaacgc aguauggaug gunnucucuc gugccnnnnn nnnnnngagg unnnnnnnnn 60
nnggggagcag ggagunnaaa ungggaaung cgaaggggag gaccennacg ccnnnnnggg 120
cgcccuuaua gcagccgacc ccgcgacugu agaacggunn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnncag gguucgccau cgggcauuuc gccggauuuc 240
aacgcgcugc augggcaguc ucgugaaguu uggcggaug ucggaaaang ccacuggcgu 300
ggcauugcga ucagccgggc aggacgccuc uucuuuacg aaucguccgc cuuucgcgau 360
gccgaaaacg ccgggaaggc gaggcgagcc cguucggucu uuugccgcau cguuuuucgg 420
gccgagccgg uccggcgaac gugcggccau gaggaucgug acgccgunng agccaggaga 480
ccugccaacc gucagggauc uccgc 505

```

&lt;210&gt; 277

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Sinorhizobium meliloti*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 277

```

cacauuaacu gggaccgacg gunnucccu accnnnnnnn nnnnnnguga nnnnnnnnnn 60
nngguggagg ggauunnaau angggaacna cggugcggac gaccennaa gannnnngg 120
gacaaaacc guggcugccc ccgcaacugu aagcggauun nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnncgu cguucauccu uguggcgcca aggcgccann 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugcgc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnngcg uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc gcgggaaggc nagaugagcg acucunnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnguccgnug agccaggaga 480
ccugccguca aaucgaucca acguc 505

```

&lt;210&gt; 278

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Sinorhizobium meliloti*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 278

```

gcuaaccaga ucaugugaug gunnuccgcc nnnnnnnnnn nncgacugaa gaacnnnnnn 60
nnnnnnnggc ggaugnnaaa angggaacna cggugaggac gaccennau cannnnnngg 120
ggcuaaaacc guggcugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnncgag caaaguccaa ggaunnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccuuggccn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnauga aucnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngg cugauaaggc nnggacaaag cuacgacnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcna agccaggaga 480
ccugccauca ccuugggcga cacgc 505

```

&lt;210&gt; 279

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Streptomyces coelicolor*



&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 279

```

uaggcuggcc cgugcagcug guuncgcccc guccnnnnnn nnnnnngcca nnnnnnnnnn 60
nnggcgggau ggcugcgaag angggaacnc cgguggnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc gggacugcnc ccgcagcggg gangcgggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnaacga ccgccgucau annnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc gcacugggcc 300
cgnnnnnnnn nnnnnnnnnn nnnnnnnnacg uacnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnncgggc ccgggaagcg nnacggccag uagguguccu ccggacagga ggguggggnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncccgcnnng aguccgaaga 480
ccugccaccu gccgcgcgc ggacc                                     505

```

&lt;210&gt; 280

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Streptomyces coelicolor

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 280

```

uacgcugaug cccgcaguug gunnucgcgc cuccuguccn nnnnngaUCA nnnnnnnnggu 60
cucggcgggc cgacgcnaag angggaacnc cgguggnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc gggacugunc ccgcagcggg ganguggggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnaacga aagccgucaa cannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn gcacugggcc 300
ccagnnnnnn nnnnnnnnnn nnnnnnnaug agnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnuuggagc ccgggaagcn nngacggccg guaggugccc gccggugauc cguguccccg 420
gugagcgcgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncccacnng aguccgaaga 480
ccugccacug cgcccguacg cgaug                                     505

```

&lt;210&gt; 281

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Streptomyces coelicolor

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 281

```

gcagaccgua guaucagcgg gunncaucgn nnnnnnnnnn nnnnnnccgn nnnnnnnnnn 60
nnnnnnnnnc acgggnnaga cnaggaagnc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggcacggucc cngccacugu ganccgggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngagug caccuucga cacnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugcgcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

```

```

nnnnnnnnngc gcggaaggc cagggaggag cgucgannnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccggnng agucaggaca 480
cuggccuguc gcgggcccg uccga 505

```

<210> 282

<211> 505

<212> RNA

<213> *Streptomyces coelicolor*

<220>

<221> misc\_feature

<222> 23-468

<223> n = g, a, c or u

<400> 282

```

uauugcucaug cucgcugucg cccccccccc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnnn nnnnnnnngca gngggaaunc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggaacugunc ccgcaacggu gunacnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn uugcgugcau cccccccccc nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cguacgunnn 300
nnnnnnnnnnn nnnnnnnnnn nnnnnncuuc gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnnn nnacgugcgn ncgcacgccu nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnguncc aguccgagga 480
ccugccgaca gugcgcccg ccgcc 505

```

<210> 283

<211> 505

<212> RNA

<213> *Streptomyces coelicolor*

<220>

<221> misc\_feature

<222> 23-469

<223> n = g, a, c or u

<400> 283

```

acuacugucg ccacgccuug gunnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnnn nnnnnnnngaa cngggaauc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngauggc ggugcggccc ucgccacugu ganaucgggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnaag uccggcuccg gccugacgg gcannnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuggauc 300
gnnnnnnnnnn nnnnnnnnnn nnnnnnnncuu gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnncggu ccggaaggc nnggagcacg ggcgguggua nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncccgunna agccaggaga 480
ccggccaagg cgcgucgucc aucca 505

```

<210> 284

<211> 505

<212> RNA

<213> *Shigella flexneri*

<220>

<221> misc\_feature

<222> 24-469

<223> n = g, a, c or u

&lt;400&gt; 284

```

ccuguagcau ccacuugccg gucncunnnn nnnnnnnnnn nnnnnngugn nnnnnnnnnn 60
nnnnnnnnnn naguunnaau angggaaunc cagugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnngaauucu agagcuganc gcgcagcggg aaggannnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnaaggu gcgaugauug cguaugcgn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng acacugccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnauc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gugggaaguc nnaucaucuc uuaguaucuu agauaccccn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucnna agcccgaga 480
ccugccggcc aacgucgcau cuggu 505

```

&lt;210&gt; 285

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Shewanella oneidensis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 285

```

uuuugaguca accuucugug gugncuugcg augnnnnnnn nnnnnnauag nnnnnnnnnn 60
nnnncgucgc gagaunnaau cngggaagnc cagugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaauucu ggcacugccc ccgcaacggu aaaaggunnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nngagagacg gccgcuuun nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg auagguguuc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnacg aunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnngaa ccgguaaauc gcagugugca aaggucaguu ucgcguuuau cucuagugag 420
auggauuaua nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngccunna aguccggaga 480
ccggcccuua agguuuuuu gagau 505

```

&lt;210&gt; 286

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Shewanella oneidensis*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 286

```

accuauvcua uugcauuuag gucnauaaac gccggannnn nnnnnnnnnn nnnnnnnnnn 60
ucaacccaaa uaunnnnaau angggaaunc ggggcgcugn nnnnnnnccc gunnnnnnnn 120
ncagccagcc cgaacuguac ccgcaacugu ganguagnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nuuaaaagaa gcgccuagau unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cuagauucua 300
gauucuagnn nnnnnnnnnn nnnnnnnauu nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
uagauucuag auucuaaagn nccuagcacc uucuuuunnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncuacnna agucaggaga 480
ccugccuauu gcuguuuucg cugcg 505

```

&lt;210&gt; 287

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Salmonella typhimurium*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 30-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 287

```

gccauaacgu aaaccaacag guuugccacn nnnnnnnnnn nnnnnnauuu nnnnnnnnnn 60
nnnnnnnnngu ggunnnnnnnn angggaagng gggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaaucc cccgcagccc ccgcugcugu gaugcnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnugac gaccccguaa agannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugaucn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnngca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnga uugggaaggn nnacgggcga ggaggacnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcnua agccagaaga 480
ccugccuguc ggugauaacc aacaa 505

```

&lt;210&gt; 288

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Salmonella typhimurium

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 288

```

acgguagcau ccgugggccg gucncunnnn nnnnnnnnnn nnnnnnngug nnnnnnnnnn 60
nnnnnnnnnn naguunnaau angggaauuc cagugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucu ggagcuganc gcgcagcggg aaggannnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaagg ugagaugaga gcguaagcan nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gcgggaaguc naucuuuucu gcuauccagc caacggauaa cccnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnuccnna agcccgaga 480
ccugccggcu aacgucgcau cuggu 505

```

&lt;210&gt; 289

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Thermotoga maritima

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 289

```

gaagccuccc ucaccgugcg gunnaccenn nnnnnnnnnn nnnnnnuucg nnnnnnnnnn 60
nnnnnnnnng gguucnnaaa gngggaagnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc ggcgcggggg ccgccaccgu ganccgggg nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngacg aaaccgcgag aacnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuggggg 300
nnnnnnnnnn nnnnnnnnnn nnnnnncgau cannnnnnnn nnnnnnnnnn nnnnnnnnnn 360

```

```

nnnnnnnncc cugggaaggc nngcggggag uaggaugann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccggna agccgggaaa 480
cccgccgcgc gugaagggga accac 505

```

```

<210> 290
<211> 505
<212> RNA
<213> Thermoanaerobacter tengcongensis

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 290
ugaauauua aagccuuaug gunncccnnn nnnnnnnnnn nnnnnaugau nnnnnnnnnn 60
nnnnnnnnnn gggunnaaa angggaagac ggguganann nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc cgcgcagccc ccgcucacugu ganggganann nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnggac gaagcccuag uaannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuguccg 300
gcacucaacu gagcgcgnnn uuaguaagga gaaaagaggg agagaaaunn ugcguucagu 360
ugagugccgg gugggaaggc nnagggugga ggaugagnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucccnng agccaggaga 480
ccugccauaa gguuuuagaa guucg 505

```

```

<210> 291
<211> 505
<212> RNA
<213> Thermoanaerobacter tengcongensis

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 291
ugaauauaaa aagccuuaug gunncccnnn nnnnnnnnnn nnnnngugau nnnnnnnnnn 60
nnnnnnnnnn gggunnaaa angggaagac ggguganann nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc cgcgcagccc ccgcucacugu ganggganann nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnggac gaagcccuag uaannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuguccg 300
gcacucaacu gagcgcgnnn uuaguaagga gaaaagaggg agagaaaunn ugcguucagu 360
ugagugccgg augggaaggc nnagggugga ggaugagnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucccnng agccaggaga 480
ccugccauaa gguuuuuaaa aguuc 505

```

```

<210> 292
<211> 505
<212> RNA
<213> Vibrio cholerae

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

&lt;400&gt; 292

```

auacuaucag cgccaagcug gunngcuauu uagaugccnn nnnnnnugga unnnnnnnnn 60
ggcuaaaaau ggcugnnaaa angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaacucc ggaacuganc gcgcagcggg aangagagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaac gaacgcucaa acnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugcunn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuuu cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnna gugggaaguc nngagccagu aggccaacag ugnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucucnna aguccgaaga 480
ccugccagca acugaguauu gcagu 505

```

&lt;210&gt; 293

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Vibrio vulnificus*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 293

```

auaguaugcg cuucaagcug gunngcuauu ugnnnnnnnn nnnnngaagu annnnnnnnn 60
nnnnnuagau ggcugnnaaa angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggaacuganc gcgcagcggg aaugagagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaac gaaagcuuaa ucannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugcacg 300
aunnnnnnnn nnnnnnnnnn nnnnnnnngga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnaucgu gugggaaguc nnaggcaagu agguuaacag nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucunug aguccgaaua 480
ccugccagca acugagcaaa cacug 505

```

&lt;210&gt; 294

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Xanthomonas campestris*

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 294

```

cuaccaugcg cgccccugag gugnacugcc ggnnnnnnnn nnnnnnaauu nnnnnnnnnn 60
nnnnnccggg gguuunnaaa cngggaaunc cggugcgcg cgcgcnnncu ugnnnngcgag 120
acgcaagucc ggagcugccc ccgcaacggg ggngcgagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnguca ggugccgcaa cagnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugugcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc augggaaggc nngcgguacc ggaagcgag gcuccannn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcnn agcccggaaga 480
ccggccugag ggauugaccc ggcac 505

```

&lt;210&gt; 295

&lt;211&gt; 505

&lt;212&gt; RNA

<213> *Xanthomonas citri*

<220>  
 <221> misc\_feature  
 <222> 24-469  
 <223> n = g, a, c or u

<400> 295  
 cuaccaugcg cgccccugag gugnacugcc ggnnnnnnnnn nnnnnnuugg nnnnnnnnnn 60  
 nnnnnccggg ggguunnaaa cngggaaunc cggugcgcgg aucgcnnncu ugnnngcgag 120  
 cugcaauucc ggagcugccc ccgcaacggg ggngcgagnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnguca gaugccgcac uacnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugugcn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnagu cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngc augggaaggc nngcggauc ggaagcgcca gcuuccannn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccgagaga 480  
 ccggccugag ggauugaccc ggcac 505

<210> 296  
 <211> 505  
 <212> RNA  
 <213> Yersinia pestis

<220>  
 <221> misc\_feature  
 <222> 39-469  
 <223> n = g, a, c or u

<400> 296  
 uacuugaucg uagcauugug guccggccuc augcuguunn nnnnnnauuu annnnnnnnn 60  
 naacaccuaa gaguunnaaa angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaauucc ggagcuganc gcgcagcggu aaggggannn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnaguc acggcgauag guuucuaaca nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng acacuguccn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnngg augggaaguc nnaucgccug cucuauuucg cgccauuuau uuauacacagu 420  
 auuuuacug ucauaaccau ggccugauac cagagannnn nnnuccunna agcccggaaga 480  
 ccugccggua uuacgucgca auauu 505

<210> 297  
 <211> 506  
 <212> RNA  
 <213> Acinetobacter calcoaceticus

<220>  
 <221> misc\_feature  
 <222> 30-470  
 <223> n = g, a, c or u

<400> 297  
 cuuuacacaa uucguaacaa guuaaaagcn nnnnnnnnnn nnnnnnauuc nnnnnnnnnn 60  
 nnnnnnnngc uuunnnnnnn angggaaunc uggugcnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnaaauc cagugcugcc cccgcaacgg uaanaaaugn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnua aaccuauua aaaaagucan uuagacuan 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc gccacugcau 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngca uagnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnna ugugggaagg ugnauaugc uugucucuuu uugagaugcn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncauuunn gaguccggag 480  
accugcuugu uacaucuauc cacuca 506

<210> 298  
<211> 505  
<212> RNA  
<213> *Agrobacterium vitis*

<220>  
<221> misc\_feature  
<222> 23-469  
<223> n = g, a, c or u

<400> 298  
ccuaaagugg cagcguaucg gunnucugca agugunnnnn nnnnnncaaa nnnnnnnnnn 60  
nnacgcncgc ggaugnnaaa angggaauna cggugaggac gaccnnaag uaannnnnnng 120  
ggccgaaacc guggcugccc ccgcaacugu ganacggnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnncgag cgauguccau caunnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccauuggccn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnncca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnng ccgauaaggc nnggacaaag ccagacnnn nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480  
ccugccgaua agcaugcgcg aaagc 505

<210> 299  
<211> 505  
<212> RNA  
<213> *Bacteroides fragilis*

<220>  
<221> misc\_feature  
<222> 23-469  
<223> n = g, a, c or u

<400> 299  
uuauuuugc ucccugaucg gunnucgaa uagnnnnnnn nnnnnucauu ccunnnnnnn 60  
nnnncauacc ggauunnaaa angggaaunc gggugunnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnaaaucc cggacagunc ccgcugcugu gaagcuccnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnngucugaa uuuccgauaa caacuguunn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugggau 300  
accuuuuugn nnnnnnnnnn nnnnnnnuua annnnnnnnn nnnnnnnnnn nnnnnnuaga 360  
uaaggaguca ccgggaaggc nngucggaaa caannnnnnn nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnggagunnc agucagaaga 480  
ccugccgcuu aucaaaggcu guuuc 505

<210> 300  
<211> 505  
<212> RNA  
<213> *Bacillus megaterium*

<220>  
<221> misc\_feature  
<222> 23-469  
<223> n = g, a, c or u



&lt;400&gt; 300

```

aucaaacagc aacaguaaaag gunngccnnn nnnnnnnnnn nnnnnnaaga annnnnnnnn 60
nnnnnnnnnn ggcuunnaau angggaaanc uggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnaagacc aguacugccc ccgcaacugu aangugugn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnga cgaacgagua unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa ccacugugan 300
nnnnnnnnnn nnnnnnnnnn nnnnnnaaaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnuc acgggaaggu uncucaagua gaaugannnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuacacna agucaggaga 480
ccugucuuaa uugugaaguu ucuau 505

```

&lt;210&gt; 301

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Leishmania major

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 1-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 301

```

nnnnnnnnnn nnnnnnucgg gugncccunn nnnnnnnnnn nnnnnnucac nnnnnnnnnn 60
nnnnnnnnna gggugnnaaa cngggaaanc cggugaguca uguuccuuaa cucaagggcg 120
ugacgagucc ggugcugccc ccgcaacggu aangcgagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnug aagcguaaaa unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugugcc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnucac gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggc augggaaggn nnugaugcuu ucaaggccca ggcccnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccggaga 480
ccggcccga aaaaucagau aacaa 505

```

&lt;210&gt; 302

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Propionibacterium freudenreichii

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 302

```

uguguaggcu aguagugcug guuncggcug ccnnnnnnnn nnnnnccac nnnnnnnnnn 60
nnnnnggcag ucgucgcaag angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnaauucc ggaacugunc ccgcagcggu canauggggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaac gacacaacgu aagnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacugggcg 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnga annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnncgc cugggaagun naguagugga ggaagucggg agugaucucg caaugnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncccaunng aguccgaaga 480
ccugccagca gcgacaacau cuguu 505

```

&lt;210&gt; 303

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Rhodobacter capsulatus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-468

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 303

```

gccacucagg gcgggcgcgug guunucuguc nnnnnnnnnn nnnnnncuau nnnnnnnnnn 60
nnnnnnngac aggcgnnaag angggaaung ugaagggaa ugcgacggcu uunngccgcg 120
aaacccgacc gcagccgccc ccgcgaccgu gaccggannn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnngag ggcgcgccga gnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuggcnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnacca nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng ccgggaaggc nnggggcgac cgugagggga cccccccucg cannnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnuccgnca agccgggaga 480
ccugccagcg cauggauuuc gggcg 505

```

&lt;210&gt; 304

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Rhodobacter capsulatus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 23-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 304

```

ggcuacucca acaggcgau gnnucccnn nnnnnnnnnn nnnnaacugg acnnnnnnnn 60
nnnnnnnnng ggauunnaa angggaacna cggugaggau uaccnnaau cannnnnngg 120
ggccuaaucc guggcgccc ccgcaacugu gangcggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgaga cgacggucga agnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnna ccacuggccc 300
ccccgnnnnn nnnnnnnnnn nnnnnaucca cnnnnnnnnn nnnnnnnnnn nnnnnnnncg 360
gggagaacgg ccgggaaggu nngacccgag ugaucgaan nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcna agucaggaga 480
ccugccaucg cucuggcguc gcaag 505

```

&lt;210&gt; 305

&lt;211&gt; 505

&lt;212&gt; RNA

&lt;213&gt; Rhodobacter capsulatus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 24-469

&lt;223&gt; n = g, a, c or u

&lt;400&gt; 305

```

gggcaccuuc gcggcagaug guuncccggc caagcnnnnn nnnnnncacn nnnnnnnnnn 60
nngcgcggcc gggugnnaaa angggaauna cgguguggug uaggcnnaau cannnnnngc 120
cgccaaaucc guaacugccc ccgcaacugu aangcggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnncg agcaccccc ggcannnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnna ccacuggccc 300
cgnnnnnnnn nnnnnnnnnn nnnnnnaccc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnncgggg ccgggaaggu nnggggaagc cacgacnnnn nnnnnnnnnn nnnnnnnnnn 420

```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcna agucaggaga 480  
ccugccauca gcgucauca ccgcc 505

<210> 306  
<211> 505  
<212> RNA  
<213> Rhodobacter sphaeroides

<220>  
<221> misc\_feature  
<222> 22-469  
<223> n = g, a, c or u

<400> 306  
uguuuugugg caggggucag gngnccgcen nnnnnnnnnn nnnnnnuucg nnnnnnnnnn 60  
nnnnnnnnng cggagnnaau cngggaagnc cgguggnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnaaaucg ggcgcgggnc ccgccgcugu gancggnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnngaug cuccgggcaa gagnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccaccggunn 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnuucn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnng ccgggaaggc nngcccggcg gcagaugaan nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccgng agccagaaga 480  
ccggccugac gcagagguuc ccgcc 505

<210> 307  
<211> 505  
<212> RNA  
<213> Sorghum bicdor

<220>  
<221> misc\_feature  
<222> 24-469  
<223> n = g, a, c or u

<400> 307  
uagacugcgc ccacuuccag gugnaccugc ggcnnnnnnn nnnnnncaug nnnnnnnnnn 60  
nnngccggca gguugnnaaa cnggnaagnc cggugacgcg ugnnnnnnau ucnnnnnnnc 120  
acgccaggcc ggcgcugccc ccgcaacggu aangcacguc nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnag ucccaggcaa caacnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugugcc 300  
nnnnnnnnnn nnnnnnnnnn nnnnnnacgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnggc augggaaggc nngccuggac gguggccucg cgccaccn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nggcggcna agcccgga 480  
ccggcccga agccucaggu cgcga 505

<210> 308  
<211> 505  
<212> RNA  
<213> Streptomyces griseus

<220>  
<221> misc\_feature  
<222> 24-469  
<223> n = g, a, c or u

<400> 308  
uaggcugacc ggugcagcug guuncgccc guccnnnnnn nnnnnngcca nnnnnnnnnn 60

```

nnnnnggcagg gugucgcaag anggggaacnc cgguggnnnnn nnnnnnnnnnn 120
nnnnnaaaucc gggacugcnc ccgcagcggg gangugggnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnaacg accgccguca uannnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc gcacugggcc 300
cnnnnnnnnnn nnnnnnnnnnn nnnnnnngga cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnngggg cugggaagcg nnacggccac uaggugucug cccggcagac gugnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccccgcng aguccgaaga 480
ccugcccgcg gcccgcacgc gaccg 505

```

```

<210> 309
<211> 505
<212> RNA
<213> Stealth virus

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 309
aucgcucgcu ucaggaaacg gunnucugcc cnnnnnnnnn nnnnnngaga nnnnnnnnnn 60
nnnnnnngggg ggaugnnaaa anggggaacna cggugaagca nnnnnnnnuu aaunnnnnnn 120
ugcugaugcc gagacugccc ccgcaacugu aanccggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnagagu cauccuccua ugaucguauc uuacgauuau 240
annnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugagca 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnuucg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnugu ucgggaaggc nnggaggacc gaugaagacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccggna agucaggaga 480
ccugccguau ccagucaccc auggc 505

```

```

<210> 310
<211> 505
<212> RNA
<213> Zymomonas mobilis

```

```

<220>
<221> misc_feature
<222> 23-469
<223> n = g, a, c or u

```

```

<400> 310
cggaaauuuu uuugcauagg gunnuuccuu cnnnnnnnnn nnnnnngagu nnnnnnnnnn 60
nnnnnnngaag gaannnnaa uggggaacna aggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaaaacc uggcugccc cugcaacugu aanacagunn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnu gaaacgccaa aaannnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugaann 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnucu annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnnu ucgggaaggc nngguuguuu cgaunnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcugunng agccaggaga 480
ccgaccuuau guaaucguuc cacga 505

```

```

<210> 311
<211> 505
<212> RNA
<213> Zymomonas mobilis

```

<220>

<221> misc\_feature

<222> 24-468

<223> n = g, a, c or u

<400> 311

```
agcaaugagg aaggauuaag guuncuuugu nnnnnnnnnn nnnnncauug nnnnnnnnnn 60
nnnnnnngca aagcunnaag angggaaanc uggugcgaaa nnnnnnnnga aunnnnnnnn 120
uuucaaagcc agugcugccc ccgcaacugu aanacggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgagc aaagaucaaa aunnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugauan 300
nnnnnnnnnn nnnnnnnnnn nnnnnnuuau nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnua ucgggaaggc nnugaucgga cgcggugacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunca agucaggaga 480
ccugccuuaa accaagucan ccacu 505
```

<210> 312

<211> 105

<212> DNA

<213> Bacillus halodurans

<220>

<221> misc\_feature

<222> 43-80

<223> n = g, a, c or t/u

<400> 312

```
acatgtagat atcatccctt tcgtatatac ttggagataa ggntccagga gtttctacca 60
gatcacgcta aatgatctgn actatgaagg tggaatggct cgata 105
```

<210> 313

<211> 105

<212> DNA

<213> Bacillus halodurans

<220>

<221> misc\_feature

<222> 43-80

<223> n = g, a, c or t/u

<400> 313

```
aataaatcga aaacatcatt tcgtataatg gcaggaatag ggncccgca gtttctacca 60
agctaccgta aatagcttgn actacgaaaa taatgggttt ttac 105
```

<210> 314

<211> 105

<212> DNA

<213> Bacillus halodurans

<220>

<221> misc\_feature

<222> 43-80

<223> n = g, a, c or t/u

<400> 314  
cgttcttttat ataaagtacc tcatataatc ttgggaatat ggncccaaaa gtttctacct 60  
gctgaccgta aatcggcggn actatgggga aagattttgg atctt 105

<210> 315  
<211> 105  
<212> DNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 28-79  
<223> n = g, a, c or t/u

<400> 315  
ttaatcgagc tcaacactct tcgtatantc ctctcaatat ggngatgagg gtctctacag 60  
gtannccgta aatacctnna gctacgaaaa gaatgcagtt aatgt 105

<210> 316  
<211> 105  
<212> DNA  
<213> Bacillus halodurans

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 316  
atttacatta aaaaaagcac tcgtataatc gcgggaatag ggncccgcaa gtttctacca 60  
ggctgccgta aacagcctgn actacgagtg atactttgac ataga 105

<210> 317  
<211> 105  
<212> DNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 317  
agaaatcaaa taagatgaat tcgtataatc gcgggaatat ggnctcgcaa gtctctacca 60  
agctaccgta aatggcttgn actacgtaaa catttctttc gtttg 105

<210> 318  
<211> 105  
<212> DNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 318  
catgaaatca aaacacgacc tcatataatc ttgggaatat ggncaccataa gtttctaccc 60  
ggcaaccgta aattgccggn actatgcagg aaagtgatcg ataaa 105

<210> 319  
<211> 105  
<212> DNA  
<213> *Bacillus subtilis*

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 319  
ttacaatata ataggaacac tcatataatc gcgtggatat ggncacgcaa gtttctaccc 60  
ggcancgta aantgtccgn actatgggtg agcaatggaa ccgca 105

<210> 320  
<211> 105  
<212> DNA  
<213> *Bacillus subtilis*

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 320  
catcttagaa aaagacattc ttgtatatga tcagtaatat ggntctgatt gtttctacct 60  
agtaaccgta aaaaactagn actacaagaa agtttgaata aattt 105

<210> 321  
<211> 105  
<212> DNA  
<213> *Clostridium acetobutylicum*

<220>  
<221> misc\_feature  
<222> 29-80  
<223> n = g, a, c or t/u

<400> 321  
tatataaaaa actaaatttc tcgtatacna ccggtaatat ggntccggaa gtttctacct 60  
gctgnccata aantagcagn actacggggt gttattgata atata 105

<210> 322  
<211> 105  
<212> DNA  
<213> *Clostridium acetobutylicum*

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 322  
gaaaagtaat aacatattac ccgtatatgc ttagaaatat ggntctaagc gtctctaccg 60  
gactgccgta aattgtctgn actatgggtg tttataagta tttta 105

<210> 323  
<211> 105  
<212> DNA  
<213> *Clostridium acetobutylicum*

<220>  
<221> misc\_feature  
<222> 29-80  
<223> n = g, a, c or t/u

<400> 323  
aatcgtaat atagtttaac tcatatatnt tcctgaatat ggnncaggat gtttctacaa 60  
ggaancctta aantttcttn actatgagtg atttgttgt atgca 105

<210> 324  
<211> 105  
<212> DNA  
<213> *Clostridium perfringens*

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 324  
tatgtactta tataagtata tcgtatatgc tcgacgatat ggngttgagt gtttctacta 60  
ggaggccgta aacatcctan actacgaata tataggtgat ttcta 105

<210> 325  
<211> 105  
<212> DNA  
<213> *Clostridium perfringens*

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 325  
taagtgtatt aaattttaac tcgtatataa tcggtaatat ggntccgaaa gtttctacct 60  
gctaaccgta aatagcagn actacgagga gttgtactat aaatt 105

<210> 326  
<211> 105  
<212> DNA  
<213> *Clostridium perfringens*

<220>  
<221> misc\_feature  
<222> 29-80  
<223> n = g, a, c or t/u



<400> 326  
aaaacggaat ataaacaaac tcgtataang ctttgaataa ggnncaaggc gtttctaccg 60  
gaaancccta aantttccgn tctatgagtg aatttgatat actat 105

<210> 327  
<211> 105  
<212> DNA  
<213> *Fusobacterium nucleatum*

<220>  
<221> misc\_feature  
<222> 29-73  
<223> n = g, a, c or t/u

<400> 327  
taaataatTT taataaaaat tcgtataang cctaatatat ggnnaagggt gtccttacgg 60  
ttaanccata aanttaacca gctacgaaaa atgttttact gtgtt 105

<210> 328  
<211> 105  
<212> DNA  
<213> *Lactococcus lactis*

<220>  
<221> misc\_feature  
<222> 28-80  
<223> n = g, a, c or t/u

<400> 328  
gtctataata gaacaatctt atttatannn cctaggatat ggnnctgggc gtttctacct 60  
cgtanccgta aantgcgagn acaataagga aattcgattt tttag 105

<210> 329  
<211> 105  
<212> DNA  
<213> *Listeria monocytogenes*

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 329  
aatccgctac aataatatag tcgtataagt tcggtaatat ggnaccgttc gtttctacca 60  
ggcaaccgta aatgccagn gctacgagct attgtaaaat ttaat 105

<210> 330  
<211> 105  
<212> DNA  
<213> *Listeria monocytogenes*

<220>  
<221> misc\_feature  
<222> 39-80  
<223> n = g, a, c or t/u

<400> 330  
ataacttaaa accgaaatac ttgtataata gttgcatnt ggngcgacga gtttctacct 60  
ggttaccgta aataaccggn actatgagta gtttgataaa agaag 105

<210> 331  
<211> 105  
<212> DNA  
<213> Oceanobacillus iheyensis

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 331  
caatttttat ccaatgcctt tcgtatatcc tcgataatat ggnttcgaaa gtatctaccg 60  
ggtcaccgta aatgatctgn actatgaagg cagaagcagg ttcgg 105

<210> 332  
<211> 105  
<212> DNA  
<213> Oceanobacillus iheyensis

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 332  
tgatgtaatt gaatagaaat gcgtataatt aaggggatat ggnnccacaa gtttctacca 60  
gaccaccgta aatgggttgn actacgcagt aattatattt gtatc 105

<210> 333  
<211> 105  
<212> DNA  
<213> Oceanobacillus iheyensis

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 333  
ccgacaattg aaaatgaacc tcatataaat ttgagaatat ggntcagaa gtttctaccc 60  
agcancgta aatggctggn actatgaggg aagatggatc atttc 105

<210> 334  
<211> 105  
<212> DNA  
<213> Oceanobacillus iheyensis

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 334  
aaaccttata tatagttttt tcatataatc gcggggatat ggncctgcaa gtttctaccg 60  
gtttaccgta aatgaaccgn actatggaaa agcggaaaaat tcgat 105

<210> 335  
<211> 105  
<212> DNA  
<213> *Staphylococcus aureus*

<220>  
<221> misc\_feature  
<222> 80  
<223> n = g, a, c or t/u

<400> 335  
gttaaataat ttacataaac tcatataatc taaagaatat ggcttttagaa gtttctacca 60  
tggtgccttg aacgacatgn actatgagta acaacacaat actag 105

<210> 336  
<211> 105  
<212> DNA  
<213> *Staphylococcus epidermidis*

<220>  
<221> misc\_feature  
<222> 80  
<223> n = g, a, c or t/u

<400> 336  
cataaaataa tttatatgac tcatataatc tagagaatat ggcttttagaa gtttctaccg 60  
tgtcgccata aacgacacgn actatgagta acaatccaat acatt 105

<210> 337  
<211> 105  
<212> DNA  
<213> *Streptococcus agalactiae*

<220>  
<221> misc\_feature  
<222> 29-80  
<223> n = g, a, c or t/u

<400> 337  
caattaaata tatgatttac ttatttatng ctgaggatnt ggnccttagc gtctctacaa 60  
gacanccgtn aantgtctan acaataagta agctaataaa tagct 105

<210> 338  
<211> 105  
<212> DNA  
<213> *Streptococcus pyogenes*

<220>  
<221> misc\_feature  
<222> 29-80  
<223> n = g, a, c or t/u

<400> 338  
tgaattcaat aatgacatac ttatttatng ctgtgaatnt ggncgcagc gtctctacaa 60  
gacanccntt aantgtctan acaataagta agcttttagg cttgc 105

<210> 339  
<211> 105  
<212> DNA  
<213> *Streptococcus pneumoniae*

<220>  
<221> misc\_feature  
<222> 29-79  
<223> n = g, a, c or t/u

<400> 339  
aaaattgaat atcgttttac ttgtttatng tctgtgaatnt ggncacgac gtttctacaa 60  
ggtgncngg aancacctna acaataagta agtcagcagt gagat 105

<210> 340  
<211> 105  
<212> DNA  
<213> *Thermoanaerobacter tengcongensis*

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 340  
aaaaatttaa taagaagcac tcatataatc ccgagaatat ggncctggga gtctctaccg 60  
aacaaccgta aattgttcgn actatgagtg aaagtgtacc taggg 105

<210> 341  
<211> 105  
<212> DNA  
<213> *Bacillus subtilis*

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 341  
aattaaatag ctattatcac ttgtataacc tcaataatat ggntttgagg gtgtctacca 60  
ggaanccgta aaatcctggn attacaaaat ttgtttatga cattt 105

<210> 342  
<211> 105  
<212> DNA  
<213> *Clostridium perfringens*

<220>  
<221> misc\_feature  
<222> 43-80  
<223> n = g, a, c or t/u

<400> 342  
 ataaaaaat aaatTTTgct tCGtataact ctaatgatat ggnattagag gtctctacca 60  
 agaancggag aantTcttgn attacgaaga aagcttattt gcttt 105

<210> 343  
 <211> 105  
 <212> DNA  
 <213> *Vibrio vulnificus*

<220>  
 <221> misc\_feature  
 <222> 50-80  
 <223> n = g, a, c or t/u

<400> 343  
 gactttcggc gatcaacgct tcatataatc ctaatgatat ggTTtgggan gtttctacca 60  
 agagnctta aantcttgn attatgaagt ctgtcgcttt atccg 105

<210> 344  
 <211> 228  
 <212> RNA  
 <213> *Clostridium perfringens*

<220>  
 <221> misc\_feature  
 <222> 16-201  
 <223> n = g, a, c or u

<400> 344  
 agugauggua gaggungcga aaaccnnaag naguacnaca gucugagaga aaugnnnnag 60  
 aaunnnncgu ugacnnnga cuguuggaaa ggnggggaaug cgccgaagug cagaucgggg 120  
 ncucauucc nauuugcgcu ggaccuaugu unngaauan agcauagggc ugucacaaca 180  
 cuagnnnnnc cccaannnnn ncuagugcug uggagaacua ucucacgu 228

<210> 345  
 <211> 228  
 <212> RNA  
 <213> *Vibrio vulnificus*

<220>  
 <221> misc\_feature  
 <222> 16-203  
 <223> n = g, a, c or u

<400> 345  
 agugaggaua gaggungcaa aaaccnnaag naguannac aaugggannn ggannngaau 60  
 gagannnnuc cguugagaau ugugnngaaa ggngggaaau ugccgaagcu ggaagaaunn 120  
 ncucaunngu ucugaaggcu gguucuguau unnnaaauan aaucacagaac ugucauauag 180  
 cgnnnnnnng augunnnnnn nnnugcuaua uggagggcua ucucacgc 228

<210> 346  
 <211> 228  
 <212> RNA  
 <213> *Bacillus halodurans*

<220>  
 <221> misc\_feature  
 <222> 16-206  
 <223> n = g, a, c or u

<400> 346

```
agauggggua gaggangcgg guuuunnaag naguaangcg cuugnnnnnn nnnaggaug 60
acaacgagga nnnnnnnuaa ggcncgaaa ggnnaaaacu cgccgaagcg ngaagaugnn 120
agucaagncg ucuucuugcu gggguugcau unnngaauan aauguaacac ugucacagcn 180
nnnnnnnnna gauunnnnnn nnnnnngcug uggagaacua cuaacguu 228
```

<210> 347  
 <211> 228  
 <212> RNA  
 <213> *Bacillus subtilis*

<220>  
 <221> misc\_feature  
 <222> 16-205  
 <223> n = g, a, c or u

<400> 347

```
ggugaagaua gaggungcga ancuucnaag naguaungcc uuuggagaan agannnnnug 60
gaunnnnnnu cugugaanaa aggcnuugaaa ggnggagcgu cgccgaagca aaauaaaccn 120
nccaucnggu auuauuugcu ggccgugcau unnngaauan aauguaaggc ugucaagaaa 180
nnnnnnnnnu caunnnnnnn nnnnnuuucu uggagggcua ucucguug 228
```

<210> 348  
 <211> 228  
 <212> RNA  
 <213> *Clostridium acetobutylicum*

<220>  
 <221> misc\_feature  
 <222> 16-225  
 <223> n = g, a, c or u

<400> 348

```
accuuuugua gaggungcuu uaagucnaag naguaanccg uuugnnngag uunnnnnnnng 60
gcannnnnna acuuagauga acggnuaaaa ggnggcuuuu agccgaagca uuuagauunn 120
nggcannnga uuuauuugcu ggcuuuucan annncaacan uaugaauggc ugucacuuua 180
uuagunnnnu aguunnnnna uuagnguaag uggagcgcua caannggu 228
```

<210> 349  
 <211> 228  
 <212> RNA  
 <213> *Clostridium perfringens*

<220>  
 <221> misc\_feature  
 <222> 6-208  
 <223> n = g, a, c or u

<400> 349

```
aaaganggua gaggcngcga gaauucnaag nauuanncua aaauggannn guunnnnnna 60
agunnnnnag cguagaaguu uuagnngaaa ggnngauuau cgccgaaguu uuuggcunaa 120
```

uacuuuaang gcuaaaugcu gggguuguau annngaauan uauacaacac ugucacannn 180  
nnnnnnnnnn aaannnnnnn nnnnnnnnug uggagagcua ucaucuua 228

<210> 350  
<211> 229  
<212> RNA  
<213> *Clostridium perfringens*

<220>  
<221> misc\_feature  
<222> 16-207  
<223> n = g, a, c or u

<400> 350  
gaccaaagua gaggungccg uaaunnaag naguannnuc auaaguagcu gacnnnnnna 60  
agunnnnnngu unnuuaugua ugaunngaaa ggnngauuau ggccgaagag auauuaaunn 120  
nggugnnnau uaaauuuucu ggguaauaug aunnnnaaun augcauauaa cugucacuuu 180  
nnnnnnnnnn gaaannnnnn nnnnnnnaaa guggagugcu acaagguac 229

<210> 351  
<211> 228  
<212> RNA  
<213> *Clostridium perfringens*

<220>  
<221> misc\_feature  
<222> 16-206  
<223> n = g, a, c or u

<400> 351  
aacugagaua gaggcngcga ugnauunaau naguannnuc uugcagaggu nnnnnnnnna 60  
agcannnnnn nnauugaagc aaagnugaaa ggnnaugaau cgccgaaacc aunuagaaga 120  
ggcuuuuuuu cuauuagguu gggguugcau annngaauan uauguaacac ugucacaaan 180  
nnnnnnnnnn uauunnnnnnn nnnnnnnuuug uggugugcua ucaugaaa 228

<210> 352  
<211> 228  
<212> RNA  
<213> *Escherichia coli*

<220>  
<221> misc\_feature  
<222> 16-167  
<223> n = g, a, c or u

<400> 352  
caggccagaa gaggcngcgn unugcccan naguaacggu guuggnnnag gannnnnnng 60  
ccagnnnnnu ccugugauaa caccnnnnnu gggggugcau cgccgaggug auugaacng 120  
cuggccancg uucanucauc ggcuacaggg gncugaaunn cccugnggu ugucaccaga 180  
agcgcucgca gucgggcggu ugcgaagugg uggagcacuu cuggguga 228

<210> 353  
<211> 228  
<212> RNA  
<213> *Haemophilus influenzae*

```

<220>
<221> misc_feature
<222> 16-205
<223> n = g, a, c or u

<400> 353
uacaaaagua gaggcngcaa uuauunnaua naguannuuu uuucagaggu gnnnnnnnnng 60
auaannnnnnn cgaagaagaa aaaanngaaa ggnaauagu ugccgaauc aaauaaaann 120
ngucgnnnuu uuguuugguu gguggcgugc ucnngaaang ggngcgacac ugucauaguu 180
nnnnnnnnuu ucugauunnn nnnnnaacua uggagugcua cgguuguu 228

<210> 354
<211> 228
<212> RNA
<213> Oceanobacillus iheyensis

<220>
<221> misc_feature
<222> 16-205
<223> n = g, a, c or u

<400> 354
guuuuggaua gaggungcgg agaccnnauc naguannuau acgcggannn agggnnnaaa 60
ugagnnnccc uagugaagcg uaugnngaaa ggnggaauc ugccgaagcg agunngaaa 120
acucauucan uanacucguu ggugcugcua uunngaaca auaacagucc ugucauauag 180
nnnnnnnnng agannnnnnn nnnnncuaa uggagggcua ucgagcug 228

<210> 355
<211> 228
<212> RNA
<213> Oceanobacillus iheyensis

<220>
<221> misc_feature
<222> 16-206
<223> n = g, a, c or u

<400> 355
ucggugggua gaggangcau acaacnnauu naguannauc gacnnnnnnn naagaggaug 60
acaacgauga uannnnnnngu uggunnggaa ggngguuguu ugccgaagca nuaauaagnn 120
ggucagancu uauuauugcu gguacaucuu unngaaauan aaagaugcac ugucaugcan 180
nnnnnnnnnaa auuaagnnnn nnnnnnugca uggagaacua cugaucga 228

<210> 356
<211> 228
<212> RNA
<213> Pasteurella multocida

<220>
<221> misc_feature
<222> 16-206
<223> n = g, a, c or u

<400> 356
uacuugugua gaggangcga ucacunnaua naguannuuu uuucugaggu gnnnnnnnnng 60
auaannnnnnn cgaagaggaa aaagnngaaa ggnnagugac cgccgaauc aaugaaaann 120

```



ngucannnuu uugauugguu gguggcgau ucnnngaaang ganacgucau ugucauagun 180  
nnnnnnnnncu uuuuuuannn nnnnnnacua uggagcgua cugguugg 228

<210> 357  
<211> 228  
<212> RNA  
<213> Staphylococcus aureus

<220>  
<221> misc\_feature  
<222> 16-205  
<223> n = g, a, c or u

<400> 357  
auauuuugau gaggcngcau canaucnaug naguannaag uuuagannuu annnnnncug 60  
ucugcnnnnn uaacagcuga auuunngaaa ggngugcga ugccgaagcg anuuauaun 120  
nagcannguu auauuuuguu ggacuuuuug gunnuaagag cungagaguu ugucauuauu 180  
nnnnnnnnnn uaaannnnnn nnnnnaauaa uggagugcau cacuugua 228

<210> 358  
<211> 228  
<212> RNA  
<213> Staphylococcus aureus

<220>  
<221> misc\_feature  
<222> 26-223  
<223> n = g, a, c or u

<400> 358  
aauugaguua gagguugcau guuuannauu naguannacu ugunnnnnca gaaguauuuu 60  
ugguacauaa guugannnac aagunngaaa ggnnuaaaga ugccgaaaua gauauaanna 120  
ccauaaannu uauaucuauu gggacaguuu unncgaauan ggaacuguac ugucacannn 180  
nnnnnnnnnn gaannnnnnn nnnnnnnnug ugaugugcua ncncuuau 228

<210> 359  
<211> 228  
<212> RNA  
<213> Staphylococcus epidermidis

<220>  
<221> misc\_feature  
<222> 16-206  
<223> n = g, a, c or u

<400> 359  
agauuuugau gaggcngcau canaucnaug naguannaac uuuagauauu uugnnnucug 60  
cuaannnnca anuuannuag aguunnnaaaa ggngnugaga ugccgaaug auucauaun 120  
nagcannguu augaauuguu ggacuuuau gunnuaagag cuaunaagu ugucauuauu 180  
nnnnnnnnna uaaannnnnn nnnnnnauaa uggagugcau cacuugua 228

<210> 360  
<211> 228  
<212> RNA  
<213> Staphylococcus epidermidis

<220>

<221> misc\_feature

<222> 26-223

<223> n = g, a, c or u

<400> 360

aauagaguua gagguugcau uauuannaug nacuannacu uaunnnnnca gaagucguau 60  
 gggacaugug uugannnnau aagunngaaa ggnnuaauaa ugccgaaaug auguuanuuu 120  
 nccaunaaau uagcauuguu gggacaacuu unncgaauan gaaguuguac ugucacnnnn 180  
 nnnnnnnnnn uuannnnnnn nnnnnnnnug ugaugugcua ncncuuau 228

<210> 361

<211> 228

<212> RNA

<213> *Shigella flexneri*

<220>

<221> misc\_feature

<222> 16-167

<223> n = g, a, c or u

<400> 361

caggccagaa gaggcngcgn unugcccann naguaacggu guuggnnnag gannnnnnng 60  
 ccagnnnnnu ccugugauaa caccnnnuga gggggugcau cgccgaggug auugaacgng 120  
 cuggccancg uucanucauc ggcuaacagg gncugaaunn cccugnggu ugucaccaga 180  
 agcguucgca gucgggcggu ugcgaagugg uggagcacuu cuggguga 228

<210> 362

<211> 228

<212> RNA

<213> *Shewanella oneidensis*

<220>

<221> misc\_feature

<222> 16-208

<223> n = g, a, c or u

<400> 362

aggaacagaa gaggangcgu uaancunann ngguannguc aaucagannn ggagnnnnca 60  
 caaannncuc cagcgaugau ugaunnnag ggnagauuag cgccgaggca uagaugugnn 120  
 guugcugncu uguuuauaug gguccgcuuag gncugaaunn nccuaacgau ugucaccnnn 180  
 nnnnnnnnnu guaaunnnnn nnnnnnnnng uggagagcuu cuggugac 228

<210> 363

<211> 228

<212> RNA

<213> *Shewanella oneidensis*

<220>

<221> misc\_feature

<222> 16-206

<223> n = g, a, c or u

<400> 363

ccuuuaagua gaggcngcgc ugccunnaug nacuanncuu gugcgnnnnn nnnagaggug 60  
 augccgcaga nnnnnnugua caagnngaaa ggnnagucag cgccgaagua gcncaggunn 120

caucaannna ccgagcngcu gguuuugcau ncaaauagnn ngugcaagac ugccauagun 180  
nnnnnnnnnc auccnnnnnn nnnnnnacua uggagcgua ccugaagg 228

<210> 364  
<211> 228  
<212> RNA  
<213> *Thermatoga maritima*

<220>  
<221> misc\_feature  
<222> 8-204  
<223> n = g, a, c or u

<400> 364  
gacccgancg gaggcngcgc ccgagnnaug naguannnggc uguccnnnnn nnnnaucagg 60  
ggaggaaucg nnnnngggac ggcunngaaa ggnncgaggg cgccgaaggg gugcagagu 120  
ccuccngcu cugcaugccu ggggguaugg gnnngaauan ccgauaccac ugucacggag 180  
gnnnnnnnnn ucnnnnnnnn nnnnucuccg uggagagccg aucggguc 228

<210> 365  
<211> 228  
<212> RNA  
<213> *Thermoanaerobacter tengcongensis*

<220>  
<221> misc\_feature  
<222> 16-201  
<223> n = g, a, c or u

<400> 365  
aggugaggua gaggcngcgg gucaucnaag naguannaca ugccagannn ggunnnnguua 60  
aggnnnnngc cgaugaaggu gugunngaaa ggnnggugncc cgccgaagcn gcguaaaacu 120  
nccuuaaggu uuacgcagcu gggccuauugc cnnngaacan gguauaggac ugucacugaa 180  
ggcunnnnnn ccannnnnn nggcuucag uggagagcua ucucgcua 228

<210> 366  
<211> 228  
<212> RNA  
<213> *Thermoanaerobacter tengcongensis*

<220>  
<221> misc\_feature  
<222> 16-205  
<223> n = g, a, c or u

<400> 366  
cgcauaaaaua gaggangcug ccaagcnaun nnguauuugg cgagguguua aggagaagaa 60  
ccuccnnnnn nnaauancuc gcugnaagaa ggnnuuuggc ugccgaaagg gugagcuugn 120  
nuucunnuga gcucauccuu ggugguaaac nnnacaaann nguuaaccac ugucauggga 180  
nnnnnnnnnn cnnnnnnnn nnnnnuccca ugaagcgua uuuaugca 228

<210> 367  
<211> 228  
<212> RNA  
<213> *Vibrio cholerae*

<220>  
 <221> misc\_feature  
 <222> 16-206  
 <223> n = g, a, c or u

<400> 367  
 ucuagcagaa gaggangcac ugnncccagg cagnauguuu uguggannnn nnnngccuca 60  
 acuccaaunn nnnnnnnnac agaacauuca gggggaguag ugccgaggug aaucaaaguu 120  
 rgunnnggc uugguuuau cggugaacgg gncugaaunn ccnuucaac ugucaucagn 180  
 nnnnnnnncu cgaaunnnnn nnnnnncuga ugaagagcuu cugaggga 228

<210> 368  
 <211> 228  
 <212> RNA  
 <213> Vibrio cholerae

<220>  
 <221> misc\_feature  
 <222> 16-223  
 <223> n = g, a, c or u

<400> 368  
 uuucgccgua gaggangcgg uuacgnnaaa naguannucc acaguunnnn nnnnggggug 60  
 augccaaugn nnnnnaauug uggannaanaa ggnncguugc cgccgaaguc aacuugcnc 120  
 caucaacnng cnaguuggcu gggguuacau unnncaauan gguguaacac ugccauagun 180  
 nnnnncuaua uuguuguuaa nnnnnnacua uggagcgcua cnnuguag 228

<210> 369  
 <211> 228  
 <212> RNA  
 <213> Vibrio cholerae

<220>  
 <221> misc\_feature  
 <222> 7-207  
 <223> n = g, a, c or u

<400> 369  
 cuuuuaangua gaggcngcgc uguucnnaug nagucgncca gucgunnnnn nnnnagguug 60  
 accccgaugn nnnnnnauga cuggnuuaaa ggnnguacag cgccgaagug aucguugnnn 120  
 cgucaunnn c aacguucgc gggccagcau unnngaacan aaugccggac ugccauagnn 180  
 nnnnnnnnug uguugunnnn nnnnnnncu uggagcgcua ccuugaag 228

<210> 370  
 <211> 228  
 <212> RNA  
 <213> Vibrio vulnificus

<220>  
 <221> misc\_feature  
 <222> 16-204  
 <223> n = g, a, c or u

<400> 370  
 uuugcagaa gaggangcac ugnncccagg cagnauguuu uguggannnn nnnngccgca 60  
 acuccaacnn nnnnnnnnac agaacauuca gggggaguag ugccgaggua gaucaaaauu 120

ngcanngauu ungaucuguc gguugacuug gguugagunc ccannucaac ugucaucagc 180  
nnnnnnnnnn ucannnnnnnn nnnngccuga ugaagagcuu cugagaug 228

<210> 371  
<211> 228  
<212> RNA  
<213> Vibrio vulnificus

<220>  
<221> misc\_feature  
<222> 16-206  
<223> n = g, a, c or u

<400> 371  
uauagacgua gaggcngcaa uggnuanaag naguannacu auuauunnnn nnnnggggug 60  
augccaaugn nnnnnaauaa uagunngaaa ggnuauccau ugccgaagug aaugcnnna 120  
uaucaaanng gcaguuugcu gggguugcau ccnngaaang gaancaacac ugccauagun 180  
nnnnnnauuu aauguauann nnnnnnacua uggagcgcuu cuguaggu 228

<210> 372  
<211> 486  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note=Synthetic  
construct

<220>  
<221> misc\_feature  
<222> 1-486  
<223> n = g, a, c or t/u

<220>  
<221> misc\_feature  
<222> 28, 54, 61, 145, 161, 170, 171, 207, 208, 213, 216, 217,  
219, 220, 309, 309-313  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 9, 27, 37, 50, 70, 152, 203, 204, 271-275, 320  
<223> y = c or t/u

<400> 372  
nnnnnnnnyc ttatcnagag nnnnggyrga gggannyngg nnnncccnny ganrccnnnc 60  
rgcaacnnny nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnrngtg cyaantccn rnnnnnnncar rnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnyytgrrag atragrrrrr nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn yyyynnnnn nnnnnnnnnn nnnnnnnnnn 300  
nnnnnnnnrr rrrntttty nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480  
nnnnnnn 486

<210> 373  
 <211> 504  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note=Synthetic  
 construct

<220>  
 <221> misc\_feature  
 <222> 1-504  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 75, 98, 128, 136, 139, 151, 156, 161, 297, 479, 486  
 <223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 29, 94, 143, 298, 379, 387, 474, 476, 482  
 <223> y = c or u

<400> 373  
 nnnnnnnnnn nnnnnnnnnn nnggunnnyn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn aannngggaa nnyggurnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnran nnnccrnnrc ngyncccgcn rcngurannn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnryca 300  
 cugnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
 nnnnnnnnnn nnnnnnnnyg ggaaggynnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnynynrra 480  
 gycnragac cngcnnnnnn nnnn 504

<210> 374  
 <211> 83  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
 synthetic construct

<220>  
 <221> misc\_feature  
 <222> 1-83  
 <223> n = g, a, c or t/u

<220>  
 <221> misc\_feature  
 <222> 74, 76  
 <223> r = a or g

<220>  
<221> misc\_feature  
<222> 13, 71  
<223> w = a or t/u

<220>  
<221> misc\_feature  
<222> 10, 42, 70, 73  
<223> y = c or t/u

<400> 374  
nnnnnnnnny ntwtannnnn nnnnatnngg nnnnnnnngt nyctacnnnn nnnccnnnaa 60  
nnnnnnnnny wayrnnnnnn nnn 83

<210> 375  
<211> 238  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
Synthetic construct

<220>  
<221> misc\_feature  
<222> 7-233  
<223> n = g, a, c or t/u

<220>  
<221> misc\_feature  
<222> 234, 237  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 209  
<223> y = c or t/u

<400> 375  
ctgagannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnacyt gannnnngnt nnnncnnnnn cgnrggra 238

<210> 376  
<211> 221  
<212> DNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 25  
<223> k = g or t/u

<220>  
 <221> misc\_feature  
 <222> 7-217  
 <223> n = g, a, c or t/u

<220>  
 <221> misc\_feature  
 <222> 24, 78, 79, 81, 96, 97, 213  
 <223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 153  
 <223> v = g, c or a

<220>  
 <221> misc\_feature  
 <222> 1, 214, 220  
 <223> w = a or t/u

<220>  
 <221> misc\_feature  
 <222> 169, 221  
 <223> y = c or t/u

<400> 376  
 wagaggngcn nnnnnnnnna nnnrktannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnrrg rnnnnnnnnn nccgarrnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnggn nnnnnnnnnn nnvaannnnn nnnnnnnnyt gtcannnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tgrwgnctw y 221

<210> 377  
 <211> 54  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
 Synthetic construct

<220>  
 <221> misc\_feature  
 <222> 1-54  
 <223> n = g, a, c or t/u

<400> 377  
 nntannnnnn nnatnnggnn nnnnngtntc tacnnnnnnn cnnaannnn nnnn 54

<210> 378  
 <211> 19  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:/Note =  
 synthetic construct



<220>  
<221> misc\_feature  
<222> 1-2, 5-6, 12-14, 18-19  
<223> n = g, a, c or u

<400> 378  
nnaannggga annnggunn

19

<210> 379  
<211> 31  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 3-4, 7-9, 12, 14-15, 21, 24, 28-30  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 1, 10, 22, 27, 31  
<223> r = a or g

<400> 379  
rannccnnnr cngnncccg c nrcngurnnn r

31

<210> 380  
<211> 7  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 1-2  
<223> n = g, a, c or u

<400> 380  
nncacug

7

<210> 381  
<211> 9  
<212> RNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 9

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 1

<223> y = c or u

<400> 381

yggaaggn

9

<210> 382

<211> 20

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 1-3, 9, 13, 17

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 4, 11

<223> r = a or g

<220>

<221> misc\_feature

<222> 7

<223> y = c or u

<400> 382

nnragycng ranaccngcc

20

<210> 383

<211> 6

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<400> 383

cugaga

6

<210> 384  
<211> 20  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 2-9, 15-19  
<223> n = g, a, c or u

<400> 384  
annnnnnnnna ccugnnnnnc

20

<210> 385  
<211> 19  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 14  
<223> d = g, a, or u

<220>  
<221> misc\_feature  
<222> 2-7, 9-11  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 18  
<223> r = a or g

<400> 385  
unnnnnnngnn ncgdaggra

19

<210> 386  
<211> 9  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 9  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 6  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 3, 7  
<223> y = c or u

<400> 386  
agyccrygn

9

<210> 387  
<211> 50  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 10, 15  
<223> k = g or u

<220>  
<221> misc\_feature  
<222> 1, 11, 14, 30-32  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 7, 12, 18-21, 27, 43-44, 48-50  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 4-6, 17, 37  
<223> y = c or u

<400> 387  
ngayyyrguk nrankcyrrr rccgacrgun nnagucyggga ugrragarr

50

<210> 388  
<211> 18  
<212> RNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 1-3, 10-11, 14-17, 19

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 18

<223> r = a or g

<220>

<221> misc\_feature

<222> 8

<223> y = c or u

<400> 388

nngugcyan nccnnnnrn

18

<210> 389

<211> 14

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 1, 3-4, 6-7, 14

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 5, 11

<223> r = a or g

<220>

<221> misc\_feature

<222> 2

<223> y = c or u

<400> 389

nynnrnngau ragn

14

<210> 390

<211> 3

<212> RNA

<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<400> 390  
gag

3

<210> 391  
<211> 2  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 1-2  
<223> n = g, a, c or u

<400> 391  
nn

2

<210> 392  
<211> 2  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 1-2  
<223> n = g, a, c or u

<400> 392  
nn

2

<210> 393  
<211> 44  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 1-8, 14-20, 21-22, 32-43  
<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 9-10, 29

<223> r = a or g

<220>

<221> misc\_feature

<222> 23, 31

<223> y = c or u

<400> 393

nnnnnnnnrr aggnnnnnnn nnygccgarg ynnnnnnnnnn nnnn

44

<210> 394

<211> 28

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>

<221> misc\_feature

<222> 1-12, 18-28

<223> n = g, a, c or u

<220>

<221> misc\_feature

<222> 13

<223> r = a or g

<220>

<221> misc\_feature

<222> 14

<223> y = c or u

<400> 394

nnnnnnnnnn nnryuggnnn nnnnnnnnn

28

<210> 395

<211> 2

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:/Note =  
synthetic construct

<400> 395

aa

2

<210> 396  
<211> 17  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 1-11  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 12  
<223> y = c or u

<400> 396  
nnnnnnnnnn nyuguca

17

<210> 397  
<211> 11  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:/Note =  
synthetic construct

<220>  
<221> misc\_feature  
<222> 6  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 7  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 10  
<223> w = a or u

<220>  
<221> misc\_feature  
<222> 11  
<223> y = c or u

<400> 397  
uggagnrcuw y

11



<210> 398  
<211> 20  
<212> RNA  
<213> Arabidopsis thaliana

<220>  
<221> misc\_feature  
<222> 2-9, 17-19  
<223> n = g, a, c or u

<400> 398  
annnnnnnnna ccugaunnng

20

<210> 399  
<211> 22  
<212> RNA  
<213> Arabidopsis thaliana

<220>  
<221> misc\_feature  
<222> 14  
<223> d = g, a, or u

<220>  
<221> misc\_feature  
<222> 2-7, 9-11, 20-22  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 18  
<223> r = a or g

<400> 399  
unnnnnnnncnn ncgdaggran nn

22

<210> 400  
<211> 7  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 1-7  
<223> n = g, a, c or u

<400> 400  
nnnnnnnn

7

<210> 401  
<211> 3  
<212> RNA  
<213> Bacillus subtilis

<400> 401  
gag 3

<210> 402  
<211> 2  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 1-2  
<223> n = g, a, c or u

<400> 402  
nn 2

<210> 403  
<211> 2  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 1-2  
<223> n = g, a, c or u

<400> 403  
nn 2

<210> 404  
<211> 38  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 1-8, 14-20, 30-38  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 9-10, 27  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 21, 29  
<223> y = c or u

<400> 404  
nnnnnnnnrr aggnnnnnnn ygccgargyn nnnnnnnn 38

<210> 405  
 <211> 23  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 1-9, 15-23  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 10  
 <223> r = a or g

<220>  
 <221> misc\_feature  
 <222> 11  
 <223> y = c or u

<400> 405  
 nnnnnnnnnnr yuggnnnnnnn nnn 23

<210> 406  
 <211> 2  
 <212> RNA  
 <213> Bacillus subtilis

<400> 406  
 aa 2

<210> 407  
 <211> 15  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
 <221> misc\_feature  
 <222> 1-9  
 <223> n = g, a, c or u

<220>  
 <221> misc\_feature  
 <222> 10  
 <223> y = c or u

<400> 407  
 nnnnnnnnnny uguca 15

<210> 408  
 <211> 11  
 <212> RNA  
 <213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 6  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 7  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 10  
<223> w = c or u

<220>  
<221> misc\_feature  
<222> 11  
<223> y = c or u

<400> 408  
uggagnrcuw y

11

<210> 409  
<211> 20  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 2-3, 11, 15  
<223> n = g, a, c or u

<220>  
<221> misc\_feature  
<222> 1, 16, 19-20  
<223> r = a or g

<220>  
<221> misc\_feature  
<222> 8  
<223> y = c or u

<400> 409  
rnngugcyaa nuccnrcarr

20

<210> 410  
<211> 14  
<212> RNA  
<213> Bacillus subtilis

<220>  
<221> misc\_feature  
<222> 5-6, 11, 14  
<223> r = a or g

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<220>

<221> misc\_feature

<222> 1-2

<223> y = c or u

<400> 410

yyugrragau ragr

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